



## Profile

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## CV – Curriculum Vitae

1970 - 1980	<b>Polytechnische Oberschule ( POS )</b> first grade to grade 10 in Suhl ( this comes up to elementary school + grammar school ) final grade passed with „distinction“
1980 - 1982	Apprenticeship with A - levels of Mechanic for Data processing- and Office Machines - final grade passed with „good“
1982 - 1983	Achievement of matriculation standard ( high school diploma ) at the Labour- and Farmer Faculty to Halle / Saale to prepare myself studying abroad
1983 - 1988	Study at University of Electro Technology to Novosibirsk and degree as Bachelor of Engineering for System Design Technology passed with „distinction“

Sep. 1988 -	Oct. 1990	Employment as a system designer in the R & D department of Robotron - Elektronik Zella – Mehlis, ( creation of a syntax parser ( syntax analyzer ) for a new designed programming language )
Nov. 1990 -	Mar. 1995	Employment as IT Consultant at DIGNOS EDV GmbH in Mörfelden - Walldorf: including service on several clients, project analysis, database - design, implementation
Apr. 1995 -	Nov. 1997	Freelance activity as a IT consultant: contracts for services with MLP Dignos Software GmbH to Heidelberg, service on several clients, project management, project analysis, database - design, implementation
Dec. 1997	Dec. 2001	Freelance activity for TLC GmbH with projects doing parallel for several corporations of the Deutsche Bahn ( appr. DB, German railways ): advisory service, analysis, project management, programming, business management, supporting technical management
Jan. 2002	Jan. 2003	Freelance activity for DB Systems GmbH with projects for several corporations of the Deutschen Bahn, analysis, programming, business management, TM1-implementation, supporting technical Management
Feb. 2002	Jun. 2003	Freelance activity for Beckman Coulter, project management, analysis, user-software – development
Aug. 2003	Sep. 2003	Freelance activity for Sinius GmbH: programming for supporting of software packaging; automat. Install - procedures for terminal server
Oct. 2003	Nov. 2005	Extensive advisory service at a BI1-Project for a market leader in developing technical orthopedics, development of a „Sales & Management Information System“ and a call planning and reporting system
Dec. 2005	Feb. 2006	Developing of programs for offline – visiting - reporting
Mar. 2006	May 2007	BI-development for „Cost Savings Tracking“ with Applix TM1 for a major bank in Amsterdam / Netherlands
June 2006	Sep. 2007	BI-development for „Global Cost Savings Tracking“ with FDM, Hyperion Essbase and MS SQL 2005 for a major bank in Amsterdam / Netherlands
Jan. 2008	Jan. 2008	SMIS – Sales Management Information System. POC <sup>2</sup> , to replace the whole OLAP Objects – Web frontend by arcplan. (this project is not listed separately below)
Nov. 2007	Feb. 2008	BI: Redesign und performance tuning of the "Sales Panning Tool" with MS SQL 2000 und MS Analysis Services for a supplier company for automobile parts
März 2008	July 2009	BI-development: „General and Administrative Cost Forecasting ( G&A )“ in the branche of industrial real estate in Amsterdam/NL.
Jan. 2009	Oct. 2009	Design of a TM1 OLAP database and a TM1Web frontend in order to analyze SAP key figures; based on SAP BW – cubes.
Aug. 2009	Sept. 2009	Optimization of Cytomics™ Bead Assay Analysis; implementation of new curve fits
Oct. 2009	Oct. 2009	Enhancement of arcplan functionality: an interface to start TM1 Turbointegrator processes and gather their results
Nov. 2009	Dec. 2009	Design of a TM1 database for technical quality analysis project ( Deutsche Bahn )

<sup>1</sup> **BI:** Business Intelligence: refers to computer-based techniques used in spotting, digging-out, and analyzing business data. BI technologies provide historical, current, and predictive views of business operations.

<sup>2</sup> **POC:** Proof of Concept: is a short and/or incomplete realization of a certain method or idea(s) to demonstrate its feasibility.

Jan. 2010	June 2010	<b>BI</b> Analysis & Development: Remediation of a Cost Estimation Tool
Jan. 2010	June 2010	BI-development with arcplan building a Dashboard for the purchase controlling; based on SAP/BW and MS SQL 2005.
Dec. 2010	open	BI-analysis and development: Analysis and building a cube for Cognos-BI reporting with drill down capability to the posting account.

## My aim

*BI – applications are running faultless, easy to use and with high – performance to get the customer run his enterprise in an efficient and flexible way to safeguard the existence and the expansion of the enterprise for a long term.*

## Focus ( in finding projects )

### Primary

- Business Intelligence ( based on OLAP - Technologies, prior ranking TM1 )
- Web design ( OLAP Objects for TM1, insight, ASP )
- Software design ( C/C++, Perl, VB, ksh, ...)
- Database design ( SQL-Databases and OLAP databases )

### Secondary

- System administration Windows NT / 2000 / 2003 / 2008, Linux, Unix
- Software distributing, installation programs
- PC Support in large networks

## Services

- Advisory service / consulting
- Project management / organization / coordination
- Project analysis / software - design
- Administration / support
- Quality management / testing
- reporting

## Line of Business

- Hardware design
- Software design
- Insurance and financial services
- Transport-, traffic- and logistic services
- Stoff analysis, laboratory technics
- Technical orthopedics

## Software- and Hardware Proficiency

### Languages

- TM1: very good knowledge: TI Turbo Integrator - programming, TM1 rules
- Perl: very good knowledge: referring to skills / programming

- awk: Copybook- and MICROFOCUS dialog system – syntax analyzer, extensive scripts for code-generation ( Cobol, C ): very good knowledge
- Basic: VBA, VB, VB.net: very good knowledge
- C: very good knowledge
- PL/SQL: under Oracle 8: very good knowledge
- SQL: very good knowledge
- Shell: ( sh, csh, ksh ): very good knowledge, extensive scripts under Unix
- cmd ( NT – command interpreter )
- Wise: InstallMaster - Scripts for different installation - routines ( Windows 95 / NT / 2000 ): very good knowledge
- C++: Batch programs; Visual Studio 5.0 u. 6.0: good knowledge
- Mantis: together with SUPRA / SQL and ADABAS D under IBM Host and HP / Unix: very good knowledge
- Clipper: very good knowledge
- dbase: dbase III, Clipper: very good knowledge
- Fortran: good knowledge
- Pascal: good knowledge
- Rexx: used under OS / 2: good knowledge
- Yacc / lex: syntax analyzer for MANTIS: good knowledge
- Assembler: MASM, 80 x 86, 8080, Z80: good knowledge
- Machine languages: Z80: very good knowledge
- Cobol: MICROFOCUS COBOL: good knowledge

### **Operating systems**

- CP / M: ( diploma thesis, Cross-Assembler )
- HPUX: HP 9000 / Unix, MANTIS and ADABAS D
- Unix
- Windows 2000 advanced server optimized for TM1, Windows XP
- Windows NT terminal server ( long - lived experiences in administration )
- Windows 2003 server and domain - controller
- Windows 2003 standard- and terminal server: very well familiarized in installation and administration
- Windows 2003 Web-Sever edition
- SuSE Linux
- Red Hat Linux: advanced knowledge Unix / Linux; experiences in administration of Linux-servers for many years
- SUN OS, Solaris, Free BSD: administration knowledge Sun Solaris and BSD
- Windows 95 BKU- and Win NT - BKU3 - computer: very good knowledge in operating of applications on BKU - conform links of applications and for implementation these computers into BKU - network

### **Databases**

- *MS SQL* 2005 (SSIS=Integration Services/SSAS=Analysis Services)
- *MS SQL* 2000 (Enterprise Manager, DTS Processes)
- Access: Access 97, Access 2000
- Adabas: ADABAS D
- DB2
- Lotus Notes: advanced knowledge in using Lotus Notes
- mSQL / MySQL
- ocelot-SQL

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<sup>3</sup> **BKU**: Bürokommunikation Unternehmensweit ( branch communication corporate wide ) Windows-environment in WAN of the DB – Deutsche Bundesbahn ( German railways ), adapted at their requirements with distribution of every application to server with central connection

- *ODBC* - access to SQL – databases
- SQL: wide knowledge in db - design
- SQL-DS
- SQL SUPRA
- ERWIN Data Modeler ( Entity Relation Ship Manager for Windows )
- *Applix TM1* OLAP / MOLAP database
  - Version 8.4.3, Turbo Integrator, Perspectives, Rules, Feeders, in particular ETL
  - Data warehousing ( Data Warehouse / Data warehouse please look at → Data warehousing )
  - Proficiency in particular in installation, implementation, upgrade, backup, user management, security - management, tuning, performance - readings, management of Windows NT servers, Windows 2003 server ( 32 & 64Bit )
  - Design of OLAP – databases
  - Process - Programming into Turbo Integrator, using of perspectives
  - Creation of operator interfaces with Excel ( process sheet functions and VBA programming )
  - Creation of Web - Frontends with OLAP Objects, TM1 Web and insight / dynasight
- *Oracle 7 and 8*
  - Database design, Data warehousing
  - extensive proficiency in setup, tuning / performance - readings and backup large Oracle – databases ( for example: EPA reservation – database ); automatic generation of loading - scripts
  - script controlled setup of complete Oracle - databases

### **Network proficiency**

- Windows network: network - administration of Windows NT 4.0 / Windows 2000 - domains
- Setup network links WinNT / Windows 2003 terminal server
- Network link to computer through Switches and HUBs
- Setup of DSL - routers ( incl. DNS, Wins and Firewall )
- extensive proficiency to features in linking of BKU - computers within the network of DB AG
- extensive proficiency in dealing with printers, printer driver, installation of network- and station printer, solution of printer problems
- Samba: setup / administration under Linux

### **Data communication, interfaces**

- EDIFACT
- Ethernet
- Fax
- Internet, Intranet
- ISDN: implementation EUMEX – telephone system and AVM FRITZ! - card
- LAN, LAN Manager
- NetBeui
- NetBios
- Parallel interface
- PC - Anywhere: pc Anywhere 10.5, wide experience
- RPC
- RS232
- SMTP: programming with Perl
- SNMP: supervision Compaq Server
- TCP/IP: ftp, telnet, Exceed

### **Hardware**

### Proficiency in common:

- Planning, rigging and back fitting of hardware; in particular of Compaq Servers and Compaq - Workstations
- Extensive proficiency to architecture of PCs
- Proficiency to BIOS - setups and to BIOS - updates
- Very good proficiency: disk upgrades / back fitting

### Proficiency in particular:

- Proficiency in setup / backfitting / installation of: Compaq Proliant Servers 2000 / 3000 / ML 370 / ML 530 / ML 570
- CD / DVD - Writer: Plextor, Sony with Nero, WinOn CD
- Printer: HP Deskjet / Officejet / Laserjet
- Modem: FRITZ! – ISDN - cards, analog modems
- PC: very good proficiency of PCs / notebooks brands: Compaq / HP, Sony, Acer, Toshiba
- Tandem
- HP: HP 9000 / Unix
- Scanner: HP flat bed - scanner
- Streamer: HP
- Hardware designed: Z80 – single board – micro computer used as programming device for EEPROMs ( electrically erasable programmable read only memory ) , ...
- Analyzer: Voltcraft Oszilloskop 6100, digital – multimeter

### **Backup / Restore / Disk - Images**

- extensive proficiency in dealing with backup- and restore software ( Veritas Backup Exec, Arkeia Backup )
- Design of disk - images for installation of workstations under Win95, NT and Linux by floppy disk - CD, network or fixed disk
- Working with tools to partition and create images ( Ghost, Partition Magic, WinOnCD, fdisk )

### **MS Office 97-2010**

- very good proficiency in using Word, Excel, Access, Powerpoint and Outlook and VBA - Programming under MS Office
- VBA - API programming

### **Electronic Engineering**

- Extensive electronic - proficiency in particular in building of LF ( low frequency ) - amplifier, for construction of I & C ( integrated circuit ) equipment for repair electronic devices, installation and programming of ISDN – telephone systems
- Practical experience at design of Assembler - programming and the prototyping of eight – bit - one board – micro computer ( please find further information in the diploma thesis )

This basic knowledge for design and construction of computer hardware stands me in good stead for backfittings and setup of PCs and servers.

## **Soft - Skills**

### **Management - proficiency**

- Controlling of IT - projects from the analysis to concept creation and implementation even to cut - over and support, coaching of staff
- Proceeding - controlling: acceptance → test → production
- Advisory service and support for the project management
- Capable providing of a 2<sup>nd</sup>- and 3<sup>rd</sup>- Level Support; high standard IT - support of users
- Analysis to support - projects with subsequent consultation and quoting with appropriate

### Service Level Agreements (SLAs)

- Documentation of the project progress ( provide status reports ), statistics
- Providing of development-, acceptance- and production environment for Windows NT / 2000:
  - Analyzing of the required equipment for production environment to match the client´s appropriate server components and the required hardware
  - Ordering for supply of the technical environment
  - Hardware setup; complete setup of the environment with or without supplier´s support
  - Installation of the operating system and additional tools for remote controlled maintenance and bug analysis; trial run with optimizing of the hard- and software environment
  - Implementation of all development-, acceptance- or production relevant software
- To accomplish of application interviews
- To acquire new projects with the customer for the customer

### Communication, learning aptitude, flexibility

- English language good in oral and in writing
- Perfect Russian in oral and in writing
- In my opinion I can comprehend coherences and backgrounds very well based on the capability to duplicate new issues very fast. That means an excellent understanding of IT – processes. That allows me:
  - to realize problems fast and find solutions
  - to customize into technical solutions
  - to get familiarized on my own in new topics and operate them very fast ( learning by doing )
  - *to grant to prioritize client's concerns and NOT "gadgetries"*
- high coordination- and team aptitude: I have been part of a team quite often in which the individuals has to complement each other to find a solution.
- I am able to recruit every professional essential for a project. My very good aptitude to communicate allows me to involve everybody in a project and receive all necessary information to guarantee a smooth process.
- I always keep contacts ( e. g. employees, professional contact persons, clients, inhouse support, technical support, project managers, purchasing, project controlling, key account management, etc. pp. ) on a high standard what allows me to clear up differences and find an agreement about duties and responsibilities to be done between people involved. This affords individuals to chase the project successfully and turn their attention to the problems to be solved.
- Due to my very good aptitude in communication with customers I am able to achieve:
  - quick consultations with customers concerning their requirements
  - easy and efficient clarification of issues
  - prompt useful succor, hence you really see what is required and can be turned into applications
- Flexible support assistance ( from 09:00 to 19:00, in well founded cases longer and at weekends )

### Line of business Know How

- Banks: cost reporting, cost savings tracking
- Orthopedic industry: products, distribution, planning, marketing strategies
- Transport / logistic: long lived proficiency ( five years ) of special organizational demands, general conditions and processes at **Deutsche Bahn AG**; in particular experienced in projects at the area of management of the technical IT - management for the corporates DB ( Deutsche Bahn ) Reise und Touristik ( travel and tourism ), DB Station und Service ( station and service ),



DB Regio und die Zentrale ( regional and headquarter ). Last year a very important role played the implementation of OLAP databases ( TM1 ) into the field of cost center accounting and finance controlling of the corporate mentioned above.

- Financial service / insurance: know - how to life insurances, unit linked **LV** ( life insurance ), administration of assets, **Funds** – purchase / sales and **commission - systems** of insurances

## Projects

Hint: been sorted decreased – latest project appears at first

<b>1. Line of business</b>	Finances
<b>Projects</b>	<b>Cognos 8.5 Group Reporting</b>
<b>Term</b>	December 2010 –
<b>Products / Environment</b>	IBM Cognos TM1, TI (Turbo Integrator), IBM Cognos Controller 8.5, Windows Server 2003, MS SQL 2005, VMware
<b>Topic / Content</b>	Assistance for IBM CH: Analysis and building a BI-Cube with drill down capability on post accounting level in P&L consolidation for Group Reporting.
<b>Type of activity</b>	Analysis and definition of BI-Cube dimensions in consultation with the business. Creation of a design document, build of MS SQL developing database for Cognos Controller, ETL processes for implementation of test data using MS Integration Services, integrity checks for defined TM1 hierarchies, TI scripts to make a full replicate of the FAP (Financial Analytics Publish) cube. Design of rules for currency calculations and monthly data. Adaption of VMware image for Controller 8.4 and 8.5 environments for the upgrade of controller structures.
<b>2. Line of business</b>	Automobile Construction
<b>Projects</b>	<b>Remediation of a Cost Estimation Tool</b>
<b>Term</b>	August 2010 – October 2010
<b>Products / Environment</b>	IBM Cognos TM1 v9.5.1, Tm1Web, Turbointegrator (TI) <sup>4</sup>
<b>Topic / Content</b>	<b>BI</b> -Development of a TM1Web frontend for a cost estimation tool in the area of planning new plants.
<b>Type of activity</b>	Development of complex TM1Web sites in order to compile comprehensive, detailed cost estimations. Analysis of existing application, creating prototypes, designing workflow, building new web sites, managing Underlying TM1 database design and TI scripts to process TM1Web triggered changes in the database.
<b>3. Line of business</b>	Power Supply
<b>Projects</b>	<b>ZESAR Frontend-Development</b>
<b>Term</b>	Januar 2010 - June 2010
<b>Products / Environment</b>	arcplan, MS SQL 2005, Integration Services, TSQL, SAP/BW APD ( Analysis Process Designer )
<b>Topic / Content</b>	BI-development with arcplan building a Dashboard for the purchase

<sup>4</sup> TI: Turbo Integrator: TM1 Scripting Engine

<b>Type of activity</b>	controlling; based on SAP/BW and MS SQL 2005. Design and update of dashboard sites which show up purchase contracts und reseller overviews. Adaptation and creation of new SAP/BW "Load Process Chains" as well as new Integration Services ETL procedures, development of complex arcplan web sites to present data in an acceptable way for finance controllers. Scripting of Turbo-SQL to re-organize data from SAP/BW. Results are checked out by customers, sites hand over in the productive environment. Support of the current application.
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<b>4. Line of business</b>	Transport-, Traffic- and Logistics Services
<b>Projects</b>	<b>Design of a TM1 database for technical quality analysis</b>
<b>Term</b>	November - December 2009
<b>Products / Environment</b>	MS SQL 2005, Integration Services, T-SQL, Oracle 10g, IBM Cognos TM1 <sup>5</sup> 9.5, TI <sup>6</sup> ( Turbo Integrator ), TM1Web, Cubeware Cockpit, MS Hyper-V Server 2008 R2
<b>Topic / Content</b>	Development of a management tool to present quality analyzes of stations and trains.
<b>Type of activity</b>	My part of the project: connect TM1 to an existing Oracle-Source and create ETL-processes to build necessary dimensions and fill TM1 OLAP – cubes with data. At the beginning it was necessary to create a development environment based on a Windows 2008 Hyper-V – Servers, installation of MS SQL 2005, TM1/TM1Web and the Cubeware Cockpit.

<b>5. Line of business</b>	Healthcare
<b>Projects</b>	<b>SMIS – Sales and Management Info System</b>
<b>Term</b>	October 2009
<b>Products / Environment</b>	IBM Cognos TM1, TI ( Turbo Integrator ), arcplan Enterprise Application Designer <sup>7</sup> , Windows Shell
<b>Topic / Content</b>	Enhancement of arcplan functionality: an interface to start TM1 Turbointegrator processes and gather their results
<b>Type of activity</b>	Development of an arcplan→TM1 interfaces to start asynchronously mixed sequences of TM1 chores and processes. A specific arcplan-background document hands over parameters through an Windows-Shell, generates shell scripts which are starting TI-processes and this TM1 processes giving back return messages to arcplan. It makes possible this way to create complex administrative websites.

<sup>5</sup> IBM Cognos TM1: renamed from "Applix TM1"

<sup>6</sup> TI: Turbo Integrator: TM1 Scripting Engine

<sup>7</sup> arcplan Enterprise®: very flexible BI-Platform to design and run analytic applications

<b>6. Line of business</b>	Laboratory technology, Medicine, Cancer researching
<b>Projects</b>	Beckman Coulter
<b>Term</b>	<b>Cytomics™ Bead Assay Analysis</b>
<b>Products / Environment</b>	August 2009 – September 2009
<b>Topic / Content</b>	Windows XP, Office 2003, Visual Basic for Applications
<b>Type of activity</b>	<p>Implementation of new curve fit models using the Akima library: „Akima Spline“ and „Linear Spline“.</p> <p>Proof of concept, quotation, implementation and test.  Target: a) increase the calculation precision in the lower part of curve fit curves, b) implementation of new curve fit models to fix curve fit errors.</p> <p>Large parts of the VBA code were reviewed in order to increase the performance of analysis calculations.</p>

<b>7. Line of business</b>	Audit, Tax, Consulting and Corporate Finance
<b>Enterprise</b>	Deloitte & Touche GmbH
<b>Projects</b>	<b>SAP BW Reporting</b>
<b>Term</b>	January 2009 – October 2009
<b>Products / Environment</b>	SAP BW, IBM Cognos TM1 9.4, MS Office 2007, TM1Web
<b>Topic / Content</b>	Design of a TM1 OLAP database and a TM1Web frontend in order to analyze SAP key figures; based on SAP BW – cubes.
<b>Type of activity</b>	<p>The main focus at the beginning was the implementation of a prototype database and the POC ( Proof of Concept ); to work out important target specifications. In particular the POC had to show the feasibility to implement very complex security roles. Afterwards the development part was handed over to a subcontractor of “Franke EDV-Beratung”; the developer was guided at the time of the whole project by myself.</p> <p>Work finished:</p> <ul style="list-style-type: none"> <li>- Proof of Concept ( POC ), implementation of a new TM1 security model</li> <li>- definition of all data load processes</li> <li>- scripting of TI<sup>8</sup> processes to update report cubes: SAP BW → TM1</li> <li>- TI processes to manage implemented security roles</li> <li>- frontend design using TM1Web</li> <li>- documentation</li> </ul>

<sup>8</sup> TI: Turbo Integrator: scripting language for database-internal steering of TM1 and for other ETL specific purposes

<b>8. Line of business</b>	Industrial Real Estate
<b>Enterprise</b>	ProLogis Amsterdam / NL
<b>Projects</b>	<b>General and Administrative cost forecasting ( G&amp;A )</b>
<b>Term</b>	Marc 2008 – August 2009
<b>Products / Environment</b>	<ul style="list-style-type: none"> <li>- MOLAP-Database: IBM Cognos TM1 ( earlier Applix/TM1 ), TM1Web</li> <li>- Windows Server 2003 64 Bit, Windows XP, Excel 2003</li> <li>- Frontend: arcplan Enterprise® 5.5 ( earlier arcplan/dynaSight )</li> <li>- PeopleSoft Finance, PeopleSoft HRM</li> </ul>
<b>Topic / Content</b>	This project supports the calculation and analyses of the monthly cost forecasts for employee salary and taxes as well as allows the input of Budgets.
<b>Type of activity</b>	<p>Analysis, Development and Re-Design including TM1, TM1web und arcplan for cost analysis and cost forecast calculations.</p> <p>At the beginning I made a detailed analysis of the existing G&amp;A Data Model and the related arcplan frontends as well:</p> <ul style="list-style-type: none"> <li>- documentation and bug-finding in 78 TI scripts</li> <li>- bug-fixing and performance tuning of all TI scripts</li> <li>- performance tuning of existing arcplan websites: search for recursions using "SEMI Script Pro", „clean-up" of central arcplan documents.</li> <li>- complete graphical re-design of the user interface: <ul style="list-style-type: none"> <li>a) navigation update</li> <li>b) introduction of standards for interactive objects</li> <li>c) adaptation of websites ( user friendly and intuitive control, bug-fixing, implementing easier filters using MDX<sup>9</sup>-Subsets )</li> </ul> </li> </ul> <p>Additional development demands:</p> <ul style="list-style-type: none"> <li>- migration from dynaSight 4.1 to arcplan 5.5; migration tests</li> <li>- creation of a new arcplan sites for Plan-/Actual-Analysis</li> <li>- update of Power Point help sites</li> <li>- implementation of a dynamical print menu within the navigation context site</li> <li>- development of arcplan print sites</li> <li>- development of an arcplan-&gt;TM1 interface to start TI-processes asynchronously on websites</li> <li>- creating of arcplan maintenance websites; e.g. create new forecast versions</li> <li>- Re-Design of the whole G&amp;A model: <ul style="list-style-type: none"> <li>a) bring in additional dimensions into G&amp;A cubes</li> <li>b) create &amp; update dimensions directly from PeopleSoft ( PS )</li> <li>c) download of PS HRM<sup>10</sup> data into TM1 employee cube</li> <li>d) creation of TM1Web budget input sites ( incl. Action Buttons &amp; background processes )</li> <li>e) creation of a new security model with user roles implemented in TM1 using rule-driven security.</li> </ul> </li> </ul> <p>Supporting the Forecast- &amp; Analysis team when they implementing changes on the TM1 model, when occurring any TM1 problems, delivering TM1 database administration and arcplan enterprise services administration.</p>

<sup>9</sup> MDX: **Multidimensional Expressions**: is used to create dimensional hierarchies dynamically

<sup>10</sup> PS HRM: PeopleSoft Human Resource Management

<b>9. Line of business</b>	Automobile Construction
<b>Enterprise</b>	ZF-Lenksysteme
<b>Projects</b>	<b>Re-Design and Performance-Tuning of a Sales Planning Tool under MS Analysis Services and MS SQL</b>
<b>Term</b>	November 2007 – February 2008
<b>Products / Environment</b>	<ul style="list-style-type: none"> <li>- Databases: MS Analysis Services and MS SQL 2000, TSQL<sup>11</sup>, DTS<sup>12</sup></li> <li>- Windows Server 2000, Windows XP, Excel 2003</li> <li>- Cubus/ABC<sup>13</sup> for OLAP: Planning Tool, used as frontend to MSAS<sup>14</sup></li> </ul>
<b>Topic / Content</b>	<p>Target: In order to increase the performance of planning processes a re-design of all ETL processes has to be take place ( &gt;250 kB source code ).</p> <p>→ ETL<sup>15</sup> preparation of following data parts: actual data, manual inserted budget data, plan data, sales program data.</p> <p>New scripts has to load MS Analysis fact tables much faster based on the optimized data flow. The goal is to load/update hourly all planning cubes. The whole data processing has to be done now by stored procedures ( no DTS processing of data ). In all stored procedures has to be implemented a detailed logging. That makes possible to find out very fast performance problems and fix occurring bugs.</p>
<b>Type of activity</b>	The Analysis of all existing DTS jobs and stored procedures, re-design and development of new stored procedures was done by myself ( I got functional support from a ZF sales employee ). Implementing all needed changes about 80% of ETL scripts is re-developed. E.g.: The script to load only budget data includes about 1000 lines.

<sup>11</sup> TSQL: Transact SQL; MS SQL internal scripting language

<sup>12</sup> DTS: Data Transformation Services: is a set of objects and utilities to allow the automation of extract, transform and load operations to or from a database.

<sup>13</sup> Cubus/ABC: the can generate websites based on Excel workbooks to connect to MS Analysis Services

<sup>14</sup> MSAS: Microsoft Analysis Services: is a part of MS SQL 2000, OLAP database.

<sup>15</sup> ETL: The processes of Extracting, Transforming (or Transporting) and Loading data from source systems into a data warehouse.

<b>10. Line of business</b>	Banks / Financial Reporting
<b>Enterprise</b>	ABN AMRO Amsterdam / NL
<b>Project</b>	<b>Cost Savings Tracking / Provisioning / Performance Measurement</b>
<b>Term</b>	March 2006 – May 2007
<b>Products / Environment</b>	<ul style="list-style-type: none"> <li>- Applix TM1 - multidimensional OLAP DB, Turbo Integrator ( TI )</li> <li>- TM1-API ( Application Programming Interface ), Excel VBA</li> <li>- Windows Server 2000, Windows XP, Excel 2002</li> <li>- awk, sed, cmd</li> </ul>
<b>Topic / Content</b>	advisory service / development to every task around the TM1 – database: analysis / ( further ) development / fault isolation / support
<b>Type of activity</b>	<ul style="list-style-type: none"> <li>- to generate and modify at the model of OLAP database model e. g. adaption to the current structure of organization</li> <li>- extensive designing with the Turbo Integrator ( TI ) for dynamic analyzing, converting and filling of cubes with ( cost- )dates, based on different source dates</li> <li>- developing of ( TI ) - processes for bug tracking</li> <li>- to generate / to modify of multidimensional TM1 - rules</li> <li>- Planning, implementation and cutover of an extensive security concept with rule - calculated security</li> <li>- implementation of extensive rules into provisioning - cube and in a cube for performance - readings</li> <li>- Support the MI -teams ( MI=Management Information ) at creation of Excel - TM1 - based reports</li> <li>- TM1 – API - programming in VBA to automation of data - uploads and for dynamical generation of reports</li> <li>- Cooperation with data analysts in India</li> <li>- Communication in English ( spoken &amp; written )</li> <li>- high flexibility and responsibility at completing the jobs</li> <li>- Administration of two TM1-Databases (reconciliation &amp; production)</li> </ul>

<b>11. Line of business</b>	Healthcare
<b>Project</b>	<b>Offline Reporting of call plannings</b>
<b>Term</b>	Dec 2005 – Feb 2006
<b>Products / Environment</b>	<ul style="list-style-type: none"> <li>- Applix TM1 (OLAP/MOLAP), perspectives, server explorer</li> <li>- Turbo integrator ( TI ) as scripting - language</li> <li>- TM1 - API ( Application Programming Interface )</li> <li>- Excel 2000 / 2002 / 2003, Excel VBA</li> <li>- Internet information server 6.0</li> <li>- FTP, Zip - Tool, cmd</li> </ul>
<b>Topic / Content</b>	<p>Offline - reporting to calling on customers through Excel work sheets in addition to call plannings in the web ( see: SMIS )</p> <p>Planned calles can be downloaded into these Exel sheets. However, the sheets can be filled in offline ( without a link to TM1 ) and uploaded online into TM1. For this it was necessary to develop a new high performance process for data exchange with TM1 to use 65 Kbps – modem connections as well.</p>
<b>Type of activity</b>	<p>All from one source:</p> <ul style="list-style-type: none"> <li>- Analysis, conception, prototyping, implementation</li> <li>- Performance tests of TM1 accesses ( API and work sheet function )</li> <li>- TM1 – API - programming for process control</li> <li>- TM1 – Turbo – Integrator - Processes programming of data uploads and downloads; synchronal drive through VB - programs</li> <li>- VB - programming to control and fill in the worksheets</li> <li>- Design of the offline – reporting - surface with VB - Controls, with identical functions on the website</li> <li>- Programming of the High – Performance - Interface</li> <li>- to implement language independency ( English, German, French ...)</li> </ul>

<b>12. Line of business</b>	Healthcare
<b>Project</b>	<b>SMIS: Sales and Management Information System</b>
<b>Term</b>	Nov 2003 – Nov 2005
<b>Products / Environment</b>	<ul style="list-style-type: none"> <li>- Applix TM1® ( OLAP / MOLAP ), Perspectives, Server Explorer</li> <li>- Turbo Integrator ( TI ) for scripting - language</li> <li>- OLAP Objects® for TM1 ( Web – Frontend )</li> <li>- Excel 2002</li> <li>- Windows 2003 Server, Internet Information Server 6.0</li> <li>- MS SQL 2000, DTS ( Data Transformation Services )</li> </ul>
<b>Topic / Content</b>	<p><b>Business Intelligence ( BI ) / Online Analytical Processing ( OLAP )</b></p> <p>It has been provided a web based, world wide available, standardized information-, planning- and controlling platform for the sales as well as the management. Users are the central management, the management of the sales companies and the respective representatives. The system runs with access authority and provides high performance, just in time information about <i>turnover, disposal, margin, pending invoices, potential of customers, extrapolation and differences to budget</i> referring to <i>companies, products, sales areas, customers, currencies, sales channels and business activities</i>. In addition it has been implemented a platform for call – management.</p>
<b>Type of activity</b>	<p>I authoritatively have been involved in developing and responsible for:</p> <ul style="list-style-type: none"> <li>- Analysis and concept creation of sales system</li> <li>- Project Management: prototyping, implementation, performance - tuning</li> </ul>

	<ul style="list-style-type: none"> <li>- Trainer: administration TM1, development TM1, design of dimensions, cubes and creation of rules, creation of Turbo Integrator - processes, creation of websites with the „OLAP Objects Frontend“, several workshops</li> <li>- Development: Design of TM1 OLAP – database: dimensions, cubes, rules, feeders, security</li> <li>- Development: Design of data warehouse under MS SQL 2000, DTS-jobs for download and go off ( ETL ) of dates</li> <li>- in particular it was developed a numerous number of Turbo Integrator ( TI ) processes for automatic setup of TM1 – database</li> <li>- Performance – Tuning / adaption of TM1 and the websites</li> <li>- Conception and implementation of an online – call planning and – reporting platform</li> </ul>
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<b>13. Line of business</b>	Banks and Financial Service
<b>Enterprise</b>	Deutsche Bank, Sinius GmbH
<b>Project</b>	<b>eBranch Rollout</b>
<b>Term</b>	Aug 2003 – Sept 2003
<b>Products / Environment</b>	Wise Package Studio, Netinstaller, Wise Script, Windows 2000 / Terminal Server, W2k, active Directory, Perl Development Kit, Cmd, Windows Scripting Host, Windows Resource Kit
<b>Topic / Content</b>	Packaging and test of software for a Citrix Terminal Server Farm within the eBranch - project to adoption of Windows 2000 for every applications
<b>Type of activity</b>	<p>Consultation to methods of installation, implementation of every duties and responsibilities regarding to the project on my own initiative: Analysis of the delivered software, install the software and generate the trace, MSI installation packages to generate and to modify, installation tests and integration tests</p> <p>Developing of special scripts in Perl, wsh / vbs and cmd. Creation and formulation of solutions in teamwork</p> <p>Creation of SSC - packages ( Sinius Install Manager )</p>

<b>14. Line of business</b>	New Media
<b>Enterprise</b>	OLAPLINE GmbH & Co. KG
<b>Project</b>	<b>OLAPLINE Web server</b>
<b>Term</b>	July 2003 – August 2003
<b>Products / Environment</b>	Windows 2003 Web Edition ( Internet-Server ), Sharepoint Services, MS SQL, FTP, HTTP, IIS, IPsec
<b>Topic / Content</b>	Implementation of a communication - server for exchanging documents, for scheduling and implementation of Net-Meetings and surveys
<b>Type of activity</b>	implementation of every duties and responsibilities regarding to the project on my own initiative: Analysis, setting servers, install services, implementation of the security procedures ( IPsec ); administration of Share – Point - Services and MS SQL – database



<b>15. Line of business</b>	Laboratory technology, Medicine, Cancer researching
<b>Enterprise</b>	Beckman Coulter
<b>Project</b>	<b>Cytomics™ Bead Array Analysis</b>
<b>Term</b>	Feb. 2003 – June 2003
<b>Products / Environment</b>	Windows NT / 2000 / XP, Excel 97 / 2000 / XP, VBA
<b>Topic / Content</b>	Concentration identification and visualization of data coming from a Cytomics™ RXP Analysis <sup>16</sup> , programming of frontends, charts, curve fits to the results and the proof - concentration-identification, project implementation at a fixed price
<b>Type of activity</b>	Project analysis, quotation, creation of a target specification and complete implementation of every duties and responsibilities regarding to the project on my own initiative: researching and determination of appropriate curve – fitting models, statistical rating of the curve, proof charging, printing out the results, matching and test at the client, extensive programming with Excel VBA to create professional Excel – workbooks for using in lab process

<b>16. Line of business</b>	Transport-, Traffic- and Logistics Services
<b>Enterprise</b>	TLC GmbH, DB Systems GmbH
<b>Project</b>	<b>ELFE</b> ( electronic phone call billing system )
<b>Term</b>	Aug. 2000 – Jan. 2003
<b>Products / Environment</b>	NT 4.0 - Terminalserver, Access 97, Veritas Backup Exec, Perl, FTP, Topline <sup>17</sup> , ELRE <sup>18</sup> - Trans <sup>19</sup> , BusinessMail ( Mailbox X.400 ), SAP, PC-Box, Mailbox X.400, EDIFACT <sup>20</sup>
<b>Topic / Content</b>	<ul style="list-style-type: none"> <li>– automatic download of telecommunication invoices ( supplier Telekom – Festnetz ( landline ), D1-Mobil, D2-Vodafone ) for ten companies of Deutschen Bahn AG through Perl - Programs</li> <li>– simple user editing of the invoices in Topline</li> <li>– to forward the dates to a finance archive and for booking to a SAP – System</li> </ul>
<b>Type of activity</b>	analysis, installation and operation of the NT – Terminal - Server, creation of a target specification, interface programming for finance archive and for SAP R2 in Perl, 2 <sup>nd</sup> Level Support NT – Terminal - Server and ELFE – processes, operating of a Windows – domain, maintenance / modification and performance - tuning of the Access-Databases

<sup>16</sup> **RXP Analysis:** concentration identification of messengers for information interchange amongst cells

<sup>17</sup> **Topline:** program of the company WKS GmbH electronic charging of telecommunication invoices

<sup>18</sup> **ELRE:** electronic charging Deutsche Telekom

<sup>19</sup> **ELRE-Trans:** program of Telekom for download of telecommunication - invoices, which are provided in  
- so called - PC - boxes

<sup>20</sup> **EDIFACT:** electronic data interchange for administration, commerce and transport; worldwide standardized language for data transfer

<b>17. Line of business</b>	Transport-, Traffic- and Logistics services
<b>Enterprise</b>	TLC GmbH, DB Systems GmbH
<b>Project</b>	<b>EPA Statistics</b>
<b>Term</b>	Dec. 1998 – Jan. 2003
<b>Products / Environment</b>	Oracle 8, PL/SQL, Perl, FTP, Tandem, Windows NT 4.0, Veritas Backup Exec, Microsoft Office
<b>Topic / Content</b>	<ul style="list-style-type: none"> <li>– EPA: <b>E</b>lektronische <b>P</b>latzbuchungs <b>A</b>nlage ( electronic seat booking system of Deutsche Bahn )</li> <li>– Migration of a TANDEM - database for Germany wide bookings based on Oracle, upgrading as an online – information – database, data compression at migration</li> <li>– Due to modifying database design performance, extensive online - queries to booking - information are permitted, ( can be used for debugging in bookings, too ).</li> <li>– The dates have to be saved for data recall for at least two years ( ca. 180 GB ) ( before done on Tandem - Host max. 1 year ). Attention has been turned to processing huge quantity of information fast ( several hundred thousands bookings a day ) as well as a performance - orientated optimization of this database.</li> <li>– To generate an interface to Index - Sequentially database files from tandem host; conversion in a loadable Oracle data type; automatic creation of load - procedures for loading the dates according to Oracle</li> <li>– hardware selection and setup for setup of an adequate server under Windows NT</li> <li>– daily downloads and processing of the dates after migration had been done</li> <li>– 'to retrace' the modifications in Oracle, which are carried out on tandem host while production was running</li> </ul>
<b>Type of activity</b>	Project management, analysis, database design, programming of the conversion- and loading scripts in PL / SQL and Perl, administration of NT - servers and the Oracle - DB ( hardware extension, database performance optimizing, backup, restore ), service after system completion, using guide, daily automatic batch - processes for processing all dates in Perl, backup - concept and implementation of the backup process via Veritas Backup Exec

<b>18. Line of business</b>	Transport-, Traffic- and Logistics services
<b>Enterprise</b>	TLC GmbH, DB Systems GmbH
<b>Project</b>	<b>CM Operation Management</b>
<b>Term</b>	Oct. 1998 – Dec. 2002
<b>Products / Environment</b>	Server : NT 4.0, Win 2000; Clients: Win 95 / NT /2000 / XP, Web-Server: SuSE Linux / Apache, SAMBA; Tools: Visual Studio 6.0, Wise Installer / InstallMaster, Install Shield, AdminStudio, Perl, sh, ksh, cmd, C/C++, MS Excel, MS Word, PL / SQL, NetObjects Fusion 7; Databases / interfaces: Oracle 7&8, MS Access, Windows Registry, ODBC, TCP/IP, SMB, FTP
<b>Topic / Content</b>	<b>Change Management:</b> Establishing standard procedures for automatically distributing of software to several hundreds users of Windows 95, subsequently NT / 2000 / XP; for user information it has to be run a web – server
<b>Type of activity</b>	<p>Based on a software supplying server the application will be tested via an acceptance procedure within the acceptance environment and then released for production - environment to several hundred users. However, at the relevant users an installation or update will be accomplished. The installation will be made by appropriate scripts through Wise – Installer / InstallShield as EXE and MSI. The distribution affected software as follows primarily:</p> <ul style="list-style-type: none"> <li>⇒ <b>ARIS Toolset</b> ( COOL:Biz, COOL:Gen )</li> <li>⇒ <b>KURS '90 Doku</b> ( documentation for ticket selling system in HTML )</li> <li>⇒ <b>Star Quadra</b> ( Client library - administration )</li> <li>⇒ <b>VPS</b> ( traffic - planning - system as online version and local version)</li> <li>⇒ <b>Relinfo</b> ( relations information to driven distances, public travel vehicles and ticket prices )</li> <li>⇒ <b>TM1-Clients</b> ( different OLAP – database – client - installation with Lizenz-Management )</li> </ul> <p>Tasks as follow had been done:</p> <ul style="list-style-type: none"> <li>– Distribution and automatically installation programming to get the software established at the user</li> <li>– to compile / completion of delivery packets</li> <li>– Completion / input of Oracle - dates under Sun Solaris ( Relinfo )</li> <li>– Supervising of version controlled distributing</li> <li>– Bug analysis and debugging at 2<sup>nd</sup> Level Support, debugging at database connection and network - communication; management of network- and FTP- releasing and database access authorizations</li> <li>– Training of the 1<sup>st</sup> Level Support product delivery</li> <li>– Management: project management, analysis and design of the complete project in personal responsibility; this affected the data distributing and 2<sup>nd</sup> – level – support, too</li> <li>– Programming of Wise - Scripts and InstallShield - Scripts, plug ins for distributing into C/C++, NT – Server – Administration</li> </ul> <p>The software distribution was insofar quite sensitive as already existing Oracle- and MS Office – installations have to be used within the BKU - environment ( <b>B</b>üro<b>k</b>ommunikation <b>U</b>nternehmensweit / office communication corporate wide ) Hence it was necessary to select the being modified registering keys and DLL's, OCX'e, etc. to avoid a negative influence on the other applications.</p> <ul style="list-style-type: none"> <li>– succeeded tests of the extraditable software have been done extensively in tight cooperation with the Acceptance – Test Persons.</li> </ul>

	<p>Rollback - mechanisms for delivery rounded out the picture.</p> <ul style="list-style-type: none"> <li>- For forwarding information to the users an information - server as Apache - Web-Server has been installed, setup and administrated under SuSE Linux.</li> <li>- Everything has been reported comprehensively.</li> </ul> <p>For supervising of the completed software distribution – systems following duties and responsibilities were included:</p> <ul style="list-style-type: none"> <li>- guidance of the 1<sup>st</sup> Level Supports</li> <li>- 2<sup>nd</sup> Level Support on my own initiative referring to bugs which appear on installation of the products of ODBC- and database - components as well as network – access - faults</li> <li>- supporting routines for elimination of bugs which appear on individual users only</li> <li>- bug reporting to the Web - Server</li> <li>- Web - Server editing</li> </ul>
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<b>19. Line of business</b>	Transport-, Traffic- and Logistics services
<b>Enterprise</b>	TLC GmbH, DB Systems GmbH
<b>Project</b>	<b>Manual Incomings</b>
<b>Term</b>	March 2000 – Dec 2002
<b>Products / Environment</b>	VBA Access 97, Windows NT, Visual Studio 6.0
<b>Topic / Content</b>	– monthly calculation of the incomings of key accounts which do not use the direct ticket sales
<b>Type of activity</b>	programming, implementation of calculations, debugging, reporting

<b>20. Line of business</b>	Transport-, Traffic- and Logistics services
<b>Enterprise</b>	TLC GmbH, DB Systems GmbH
<b>Project</b>	<b>ZEBRA</b> ( Central Backup and Restore System )
<b>Term</b>	Dec. 2001 – Jan. 2003
<b>Products / Environment</b>	Red Hat Linux, Arkeia, PowerStor L500 Library, Exceed, Xfree86, Windows NT / 2000, Sun Solaris, AIX
<b>Topic / Content</b>	Backup and restores in the areas: <ul style="list-style-type: none"> <li>- setup - management ( e.g. new price system of DB )</li> <li>- NTA PDB / TDB ( new ticket – machines )</li> <li>- TM1 - databases at the area station and service</li> <li>- further development environments</li> </ul>
<b>Type of activity</b>	installation, administration, user´s advisory service, creation user guide

<b>21. Line of business</b>	Transport-, Traffic- and Logistics services
<b>Enterprise</b>	DB Systems GmbH
<b>Project</b>	<b>TM1 - Kopla</b> ( cost center – planning - database )
<b>Term</b>	April 2002 – Dec. 2002
<b>Products / Environment</b>	TM1 OLAP Database, Windows 2000 Advanced Server, Compaq-Proliant-Server, MS Office 97
<b>Topic / Content</b>	<ul style="list-style-type: none"> <li>– Database for central cost planning of a corporate</li> <li>– Setup and running of TM1-Database</li> </ul>
<b>Type of activity</b>	Analysis, Advisory service, Installation, Setup: Server and TM1-DB. Support of Key – Account - Management, reporting, user´s and designer´s 2 <sup>nd</sup> Level Support

<b>22. Line of business</b>	Transport-, Traffic- and Logistics services
<b>Enterprise</b>	DB Systems GmbH
<b>Project</b>	<b>TM1 - BQA</b> ( database for station quality analysis)
<b>Term</b>	Jan. 2002 – Dec. 2002
<b>Products / Environment</b>	TM1 OLAP Database, Perspectives, Excel-VBA, Windows 2000 Advanced Server, Compaq Proliant Server
<b>Topic / Content</b>	<ul style="list-style-type: none"> <li>– database for central collection of quality features of flag stops</li> <li>– setup and operation of the TM1 - database</li> </ul>
<b>Type of activity</b>	analysis, server installation, programming, support of the applications, debugging within the TM1 - environment, upload dates, user´s and designer´s 2 <sup>nd</sup> Level Support

<b>23. Line of business</b>	Transport-, Traffic- and Logistics services
<b>Enterprise</b>	DB Systems GmbH
<b>Project</b>	<b>TM1 - VEMIS</b>
<b>Term</b>	Nov. 2002 – Dec. 2002
<b>Products / Environment</b>	TM1 OLAP database, Windows 2000 Advanced Server, Compaq-Proliant-Server, Apache Web server, arcplan dynaSight, MS Office 97
<b>Topic / Content</b>	<ul style="list-style-type: none"> <li>– DatawareHousing: providing of development environment for a web server supported information system with TM1 and arcplan DynaSight</li> </ul>
<b>Type of activity</b>	analysis, advisory service, installation, setup: server and TM1 - db, Apache Web server, arcplan DynaSight, support Key - Account-Management, user guide, user´s and designer´s 2 <sup>nd</sup> Level Support

<b>24. Line of business</b>	Transport-, Traffic- and Logistics services
<b>Enterprise</b>	DB Systems GmbH
<b>Project</b>	<b>TM1 - MIS</b> ( Management Information System )
<b>Term</b>	Sept. 2002 – Dec. 2002
<b>Products / Environment</b>	TM1 OLAP Database, Windows 2000 Advanced Server, Compaq Proliant Server, Apache Web server, arcplan dynaSight, MS Office 97
<b>Topic / Content</b>	– DatawareHousing: web server supported management information system with TM1 and arcplans dynaSight
<b>Type of activity</b>	analysis, advisory service, installation, setup: TM1 db, Appache web server, arcplan dynaSight; support Key – Account - Management, management guide, user´s and designer´s 2 <sup>nd</sup> Level Support

<b>25. Line of business</b>	Transport-, Traffic- and Logistics services
<b>Enterprise</b>	TLC GmbH, DB Systems GmbH
<b>Project</b>	<b>TM1 - SuSi</b> ( station and service information database )
<b>Term</b>	June 2000 – Dec. 2002
<b>Products / Environment</b>	TM1 OLAP Database, Turbo Integrator, Perspectives, Excel-VBA, Windows 2000 Advanced Server, Compaq Proliant Server
<b>Topic / Content</b>	DatawareHousing: setup of an information database for the upper management and finance controlling for reporting: <ul style="list-style-type: none"> <li>– hardware analysis for providing of servers for TM1<sup>21</sup></li> <li>– installation, setup of the operating system environment and every respective tools for server- and TM1- management</li> <li>– optimizing of the server environment for TM1</li> <li>– TM1 - database setup</li> <li>– optimizing of TM1 - db</li> <li>– monthly filling with controlling dates</li> </ul>
<b>Type of activity</b>	analysis, server installation, programming, support of the applications, debugging within TM1 - environment, upload dates, reporting

<sup>21</sup> **TM1 OLAP:** Database Applix iTM1 is an exceptionally fast and high operating software platform for planning, analyzing and controlling as well as capable for setting up of management information systems. OLAP=Online Analytical Processing

<b>26. Line of business</b>	Transport-, Traffic- and Logistics services
<b>Enterprise</b>	DB Systems GmbH
<b>Project</b>	⇒ <b>TM1 - KSR</b> ( cost – center accounting ) and ⇒ <b>TM1-BUDPLA</b> ( budget planning )
<b>Term</b>	May 2000 – Dec. 2002
<b>Products / Environment</b>	TM1 OLAP Database, Turbo Integrator, Perspectives, Windows 2000 Advanced Server, Compaq Proliant Server
<b>Topic / Content</b>	– setup of TM1 - databases for cost – center accounting and budget planning in the field of designing of the central finance controlling – setup and administration of Windows 2000 domain
<b>Type of activity</b>	advisory service for technical fitting, installation, setting up and operating of the TM1 -server, installation and setup of remote controlled analysis and supervising of Compaq Server, fault finding and fault analysis when the system crashed, setup and administration of a Windows 2000 Domain with every TM1 - servers ( a total of 11 in Frankfurt / Main and Berlin ) at the central finance controlling, user's and designer's 2 <sup>nd</sup> Level Support, support of the Key – Account – Management, reporting

<b>27. Line of business</b>	Transport-, Traffic- and Logistics services
<b>Enterprise</b>	TLC GmbH
<b>Project</b>	<b>EPA Data Mining</b>
<b>Term</b>	Nov. 1999 – Dec. 1999
<b>Products / Environment</b>	Migration Architect, Visual Insights Advisor, Oracle 8, PL/SQL, Windows NT 4.0
<b>Topic / Content</b>	– Data warehousing: data mining for optimization the structure of the database – visualization of dates for searching of coherency at reservations
<b>Type of activity</b>	Project management, to operate with Migration Architect and Visual Insights Advisor, reporting

<b>28. Line of business</b>	Transport-, Traffic- and Logistics services
<b>Enterprise</b>	TLC GmbH
<b>Project</b>	<b>Process Setup Management for new Ticket Machines</b>
<b>Term</b>	Dec. 1997 – June 1998
<b>Products / Environment</b>	PCMS <sup>22</sup> Dimensions, PVCS, Perl, Tcl/Tk, NT 4.0, Sun Solaris for SPARC, Oracle 7.3.4
<b>Topic / Content</b>	– conception of a versioning of software versions for delivery to the new ticket machines ( NTA <sup>23</sup> ) – object orientated programming of an interface for PCMS - database in Perl for two end systems ( Unix and NT ) with get by on Perl – classes
<b>Type of activity</b>	analysis, specification, programming, testing

<sup>22</sup> PCMS: Process Setup Management System

<sup>23</sup> NTA: New Ticket Automates of German Railways

<b>29. Line of business</b>	Transport-, Traffic- and Logistics services
<b>Enterprise</b>	TLC GmbH <sup>24</sup>
<b>Project</b>	<b>NTA Documentations-Database</b>
<b>Term</b>	July 1998 – Sept. 1998
<b>Products / Environment</b>	Office 97, ADABAS D <sup>25</sup> , MS IIS <sup>26</sup> , Samba <sup>27</sup> , SuSE Linux
<b>Topic / Content</b>	– reporting administration - system for NTA management based on a SQL - database and a web server
<b>Type of activity</b>	ADABAS-Design and –Administration, setup of Linux Server, WWW-Server Install...web server installation and administration, web page design

<sup>24</sup> **TLC**: TLC GmbH: Transport, Informatics and Logistics Consulting Company

<sup>25</sup> **ADABAS D**: SQL- database system of Software AG

<sup>26</sup> **MS IIS**: Internet Information Server of Microsoft

<sup>27</sup> **Samba**: Provides on Unix – computers for Windows file- and printing services



<b>30. Line of business</b>	Insurances
<b>Enterprise</b>	Quelle AG, MLP Dignos Software GmbH
<b>Project</b>	<b>SSV</b> ( Sende - Service )
<b>Term</b>	Dec. 1996 – Nov. 1997
<b>Products / Environment</b>	<ul style="list-style-type: none"> <li>– HP 9000 / UNIX</li> <li>– ksh</li> <li>– Tabellengenerator ( table generator ), IOGEN I/O - generator</li> <li>– OS/2: IBM C/C++ Tools 2.01, Toolkit 2.1, XVT, REXX</li> <li>– ADABAS D</li> <li>– Windows 3.11, Visual C++</li> <li>– Sun OS</li> <li>– Oracle7</li> <li>– DCE</li> <li>– MKS-Tools</li> </ul>
<b>Topic / Content</b>	<ul style="list-style-type: none"> <li>– Project analysis SSV<sup>28</sup> in a team of three individuals</li> <li>– splitting the project down into sub projects, designer got task coordination and technical advisory in C/C++ and embedded SQL, implementation in a team of five individuals</li> <li>– DatawareHousing: database - analysis and database - design</li> <li>– DBA jobs</li> <li>– generation of Database - DDLs in ADABAS D and Oracle7</li> <li>– installation of Oracle7 and ADABAS D</li> <li>– setup of the Make - Environment ( development environment )</li> <li>– server implementation</li> <li>– other designer ´s betting modules in the server and test</li> <li>– implementation of the Command - Parsers for the server</li> <li>– generation of C - Structs for sending- / receiving formates</li> <li>– implementation of a test client</li> <li>– betting of the client and server in Sun OS, C/C++ and Oracle7</li> </ul>
<b>Type of activity</b>	technical coordination, analysis with reporting, specification, db design, training C and SQL, programming

<sup>28</sup> **SSV**: Sending Service: object related data collecting, distributing of them, archiving of sending, execution of sending and receiving formats

<b>31. Line of business</b>	Insurances
<b>Enterprise</b>	MLP Car
<b>Project</b>	<b>Administration System for vehicle Insurances</b>
<b>Term</b>	May 1996 – Nov. 1996
<b>Products / Environment</b>	<ul style="list-style-type: none"> <li>– OS/2, Windows 95</li> <li>– MICRO FOCUS COBOL</li> <li>– Micro Focus Dialog System, Dialog System editor</li> <li>– HP 9000 / UNIX</li> <li>– ksh</li> <li>– awk ( for generators )</li> <li>– Windows 95</li> <li>– MKS-Tools</li> </ul>
<b>Topic / Content</b>	<ul style="list-style-type: none"> <li>– generator for creation of standardized dialog - programs ( executing events of the graphical objects and initialing substantial processing )</li> <li>– input / specifications for programming graphic display</li> <li>– expanding the I/O - generator for SQL - access</li> <li>– tests for platform - independency of the dialog - system under OS/2 and Windows 95</li> <li>– adjustment with MICRO FOCUS for debugging</li> </ul>
<b>Type of activity</b>	technical project management generators, analysis and standardization, programming, reporting

<b>32. Line of business</b>	Insurances
<b>Enterprise</b>	Delphin-Insurances, MLP Dignos Software GmbH
<b>Project</b>	<b>Statistic - Evaluation to existing Systems</b>
<b>Term</b>	Mar. 1995 – Apr. 1996
<b>Products / Environment</b>	<ul style="list-style-type: none"> <li>– OS/2, Win 3.11</li> <li>– Windows 95</li> <li>– HP 9000 / UNIX</li> <li>– SQL ( DB2 )</li> <li>– Powerbuilder</li> <li>– awk, ksh</li> <li>– MKS-Tools</li> <li>– MICRO FOCUS COBOL</li> </ul>
<b>Topic / Content</b>	<ul style="list-style-type: none"> <li>– analysis statistic of the existing system, concept and technical guidelines for the new system</li> <li>– staffs training SQL</li> <li>– DatawareHousing: database design statistic existing system</li> <li>– creation of generators for pushing the project ( COBOL copybook converter (according to Powerbuilder))</li> </ul>
<b>Type of activity</b>	Project management, db design, programming ( generator ), training

<b>33. Line of business</b>	Finances and Insurances
<b>Enterprise</b>	MLP Finanzdienstleistungen AG, MLP Dignos Software GmbH
<b>Project</b>	<b>FVV</b> ( Fondsvermögensverwaltung, fund assets administration )
<b>Term</b>	Sept. 1993 – Feb. 1995
<b>Products / Environment</b>	<ul style="list-style-type: none"> <li>– HP 9000/UNIX</li> <li>– OS/2</li> <li>– Windows 3.11</li> <li>– WinWord, ABC-Flow Charter</li> <li>– awk ( 4GL; used for generators )</li> <li>– Korn Shell (under UNIX) ksh</li> <li>– DB2</li> <li>– Database Manager für DB2</li> <li>– MICRO FOCUS COBOL</li> <li>– MKS-Tools</li> </ul>
<b>Topic / Content</b>	<ul style="list-style-type: none"> <li>– Data warehousing , involved in analyzing, enhancement of specialist documents</li> <li>– creation of the technical term glossary</li> <li>– design the database in SQL on my own initiatives completely</li> </ul> <p><u>Creation of generators for forcing the project:</u></p> <ul style="list-style-type: none"> <li>– table generator for generating of DDLs ( Data Definition Language ) via an text document comes from the analysis</li> <li>– I/O generator to create SQL - accessing modules in COBOL ( or in any other preferred language ) automatically</li> </ul>
<b>Type of activity</b>	analysis, conception, professional and technical db design, program - generation, programming and enhancements of the I/O generator on my own initiative

<b>34. Line of business</b>	Finances and Insurances
<b>Enterprise</b>	MLP Lebensversicherung AG, DIGNOS EDV GmbH
<b>Project</b>	<b>FLV</b> ( Fondsgebundene Lebensversicherung; unit linked life insurance )
<b>Term</b>	Dec. 1990 – June 1993 ( as of Oct. 1991 parallel to the Project ATLA-R)
<b>Products / Environment</b>	<ul style="list-style-type: none"> <li>– IBM HOST, VSE, CICS</li> <li>– ab 93' under HP 9000 / UNIX</li> <li>– 4GL MANTIS</li> <li>– embedded SUPRA/SQL, ADABAS D</li> <li>– Korn Shell ( under UNIX ) ksh</li> <li>– lex, yacc</li> </ul>
<b>Topic / Content</b>	<ul style="list-style-type: none"> <li>– complete prototyping of the menu driven user interface</li> <li>– complete analysis, design and realization of the commission systems</li> <li>– analysis and realization of a data dictionary for collecting program and database references</li> <li>– concept and implementation of the process control ( Work Flow Management ) in a team of two individuals</li> <li>– SQL – syntax analyzer / converter for Downsizing of MANTIS + SUPRA / SQL auf MANTIS+ADABAS-D ( IBM HOST ⇔ HP-UNIX ); gained extensive proficiency in SQL and UNIX</li> <li>– prototyping for MANTIS - Compiler ( in C ) and mentoring of a Diplomate ( a student who is writing on his / her diploma thesis; graduand )</li> </ul>
<b>Type of activity</b>	analysis, prototyping, involved in creation of a specification, Implementation, db - design, generation, test, guidance, training, creation of a documentation - database

<b>35. Line of business</b>	Pharmaceutical Products
<b>Enterprise</b>	Hoechst AG, DIGNOS EDV GmbH
<b>Project</b>	<b>ATLA-R</b> ( stock administration system )
<b>Term</b>	Oct. 1991 – Aug.1993
<b>Products / Environment</b>	CSP <sup>29</sup> ( Cross System Product; Cobol like ), SQL-DS <sup>30</sup> ( DB2 - Derivate ), IBM 9370/CMS VM/ESA, IBM 3090/MVS XA, REXX
<b>Topic / Content</b>	<ul style="list-style-type: none"> <li>– extensive maintenance in ATLA-R<sup>31</sup></li> <li>– new development &amp; implementation of a viewer to run a search for spare parts for classifications</li> </ul>
<b>Type of activity</b>	analysis, conception, technical design, db - design, programming, reporting

<sup>29</sup> **CSP**: ist eine Cobol- Sprache und integriert in einer eigenen IDE Programm-Module und Database-Module  
CSP: is a Cobol language and integrated in an own IDE program – module and database - module

<sup>30</sup> **SQL - DS**: Abkömmling einer DB2-Database für CSP  
SQL – DS: descendant of a DB2 – database for CSP

<sup>31</sup> **ATLA - R**: Anwendung zum Pflegen von Reserveteilen und Aggregaten, Stammdaten, Logistik, Aggregathistorie, Standorthistorie, Reparaturstatistik

**ATLA – R**: application for maintenance of spare parts and units, master dates, logistic, units history, location history, repair history

<b>36. Line of business</b>	Computer and IT
<b>Enterprise</b>	VEB Robotron Elektronik Zella-Mehlis
<b>Project</b>	<b>Language Format for decentralized Data Collection</b>
<b>Term</b>	Sept. 1988 – Oct. 1990
<b>Products / Environment</b>	Wega-Unix, C-Shell csh, Bourne Shell sh, C-Compiler, CP/M, Format-Sprache <sup>32</sup>
<b>Topic / Content</b>	Implementation and enhancement of a program for syntax analysis and code compression of the interpreter language „Format“, which is used to input at an eight – Bit – data terminal e.g. vehicle manufacturing. porting 16 – Bit - 'C' to 8 – Bit - 'C' to PC under CP / M
<b>Type of activity</b>	Programming in C under 16 - Bit Unix Wega as Cross - System, implementing and 2nd Level Support; The programs have been designed in that way to grant a high reliability and system stability of the generated code.

<b>37. Line of business</b>	College, University
<b>University</b>	Elektrotechnisches Institut Nowosibirsk
<b>Project</b>	<b>Diploma Thesis: EPROM – Programming Devise</b>
<b>Term</b>	Dec. 1985 – May 1988
<b>Products / Environment</b>	Cross Assembler ( TASM ), CPU Z80, CP / M
<b>Topic / Content</b>	<ul style="list-style-type: none"> <li>– design of one board – micro computer on Z80<sup>33</sup> basis for EPROM<sup>34</sup>-Programmer<sup>35</sup></li> <li>– setup of a running prototype</li> <li>– programming of intelligent burning routines on a CP / M<sup>36</sup> - Cross - System in the language “Assembler”</li> </ul>
<b>Type of activity</b>	circuit design, design and assembling of an one board micro computer ( for running prototype ), Assembler - programming on CP / M - Cross System, reporting as diploma thesis

This is a short overview about my most important projects. To mention every single project been done in the past would go beyond the scope of this document.

<sup>32</sup> „Format“ – language: an interpreter – script language designed by Robotron for an easy creation of input masks on eight – Bit – computers. It allows e.g. syntax testing array wise / box wise.

<sup>33</sup> Z80: ( legendary ) eight – Bit – micro processor of Zilog

<sup>34</sup> EPROM: Erasable Programmable Read-Only-Memory

<sup>35</sup> Programmer: Is a burner which records the data onto an EPROM - in a manner of speaking – it burns in

<sup>36</sup> CP / M: ( Control Program for micro computers ) 8 Bit Operating System of Digital Research for I8080 and Z80 processors, predecessor of MS DOS

## References

Please feel free to ask me for current references.

## Finale Statement

I am pleased to implement your projects in a large environment of hardware and software.

My 17 years proficiency stands me in good stead for implementation IT - projects with solutions featuring your special requirements.

Based on my extensive knowledge of IT – technologies I can define the budget and the schedule of implementation your project even within the conception stage. I can carry out professional analysis and calculate and coordinate project costs.

I am interested in long lasting cooperation valuable for both you as my customer and me. I provide support beyond the project had been finalized. This affects projects are developed by me.

Please do not hesitate to contact me by cell – phone or e – mail to bring forward your concern. With pleasure I will support you.

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With kindest regards

*Claf Franke*