



Java-Projects

Customer: Automotive

Project:

Development

J2EE Architecture Consulting, Specification production, Design Consulting and Development of a PDM System for pre- and after-processing of CATIA V5 and Smaragd Data. For the preparation of Crashtests, Akustik simulations and load tests for Automobile CAD Prototypes. The System overtakes from CATIA CAD Models and their construction structures in XML and STEP.

- Development with J2EE 1.4 and EJB 2.0/2.1 as well as Java Swing with the JDK 1.4.
- XML Processing with DOM
- Swing GUI Development
- Enterprise Java Beans Development
- Test/Optimization of the System
- Specification production
- Consulting on Design/Architecture Leads

Windows 2000, Java 1.4.1, DB/2, JBoss Application server, Eclipse 3.0 (with DBEdit, UMLet among other things Plugins)

Customer:

Automotive

Project:

Model database

Development of the User-interface of MIDAS-Model database:

- Implementation and Test of parts of the Midas Pre User surface. The Software is a Database for the administration of FEM Computing conditions.
- Implementation takes place in Programming language Java with the Help of the Swing Classes and the JDK Version 1.4.

Customer:

International IT-Service Provider

Project:

IBC-Intranet development

System analytics, Architecture and Conception of the IBC-Intranet and adjacent areas under Java, Swing and Websphere:

- Realisation, Test and Documentation for User surfaces
- Business logic on Application-Servers
- JDBC-Access to Oracle-RDBMS
- Cooperation and Documentation at Load-Performance Tests

Customer:

International IT-Service Provider

Project:

ImageMaster for Exchange

Conception and Realization of the Production line ImageMaster for Exchange:

- Design and Development of tempto Java Framework for the automatic Test of the ImageMaster Document Management System.



Reference list of completed Projects

- Development and Design of various C++ Tools to Java Framework. Design and Development of „temptotest“ Error management Oracle RDBMS.
- Design and Development of a JDBC Interface to Oracle RDBMS.
- WEB Interface by means of JSP/Servlets with Session Management.
- Remote Command Execution by means of SSH in Windows and Unix Environments with Java Classes.
- User Input Checking by means of JavaScript.
- Java Classes for general RMI Execution for UNIX Systems.
- Further development of Swing GUI of Tempto Java Framework.
- Various UNIX and Windows Administration- Tasks.

Customer: **Automotive**

Project: JAVA Software Development, Redesign and Conversion of an existing System, Execution and Documentation of System- and single tests

Customer: **Local Computing Center**

Project: Trade registry

Electronic trade registry with Web surface, primarily determined for the trade authority, which however makes possible for the citizen to get information. Substantial Functions: Collection of trade registries and – cancellations on the Dialogue, Online-Access of the district administration office on the data of the trade registry, extensive search possibilities, which can be also partly with one another combined, trade registry information over the Internet, Evaluation- and Statistic functions. Tasks:

- Implementation of a Tool, which generates complex configuration files describing the tables due to the JDBC-Meta data.
- Partly Design and whole Implementation of a validating mechanism for external Data, which are to be written into the Database. This covers beside the Format- and range of values validation also a global Consistence examination of several, from one another independent Data fields. In order to keep it flexible and fast, the Validating-function is written in Javascript and with the Framework Rhino translated automatically on Java Bytecode. This solution makes possible also the Validation on the Client's side with the same Javascript-Code.
- Comparison of different Template-Engines (Jakarta Velocity, FreeMarker) and JasperReports in order to find the best solution for the Generation of printable reports. Apart from the exact comparison of the abilities of the Template-Languages and the expandabilities, the periods of reply and Memory consumption are analysed with a special developed Program.
- Design and Implementation of a Module, which makes possible the data output in EDIFACT Format. In the absence of an EDIFACT Java-Library, the EDIFACT-File will be defined as a template



Reference list of completed Projects

supported by the applied Template-Engine (Freemarker). The special Syntax and Character coding are ensured from own Template functions.

- Design and Implementation of a Module, which makes possible the data transfer from outside Systems (technically from the same kind) in XML-Format.
- The allocation of the XML-Structure to Business objects is defined in a flexible way in XML, which supports the attachment of Field- and subject related Validator functions and Listeners at different events. Thus the complex technical requirements can be paid off, whereby the Whole remains clear and relatively simple to change. It is driven from a SAX-Parser. The integrity and consistency of the overtaken data are guaranteed also by Business-subject-related Database transactions.

Customer: Automotive

Project: User support in the SAP Modules MM, FI/CO and SD with SAP ABAP- and SAPscript Developments.

Customer: Automotive

Project: Archiving / Document management
Support SAP Application Business / Concept work Archiving.

Customer: International Hard- and Software Manufacturer

Project: SAP Consolidation / Maintenance and Expansion of a customised JumpStart-Environment

Customer: International Hard- and Software Manufacturer

Project: SAP-Application support

Customer: Automobile Supplier

Project: Production of an assessment of Suppliers, Illustration of the cost apportionment sheet in SAP BW, Structure of a work report system in SAP BW.

- For the assessment of suppliers generic data sources and extractors were developed on the interest of an own development in R/3. The data were loaded into BW, there tied up on InfoSources. These were the basis for InfoProvider (InfoCubes) on which the Queries were developed.
- For the cost apportionment sheet BAB in the business content was taken over and a MultiProvider was developed, on which several Queries complex structures were developed.



Reference list of completed Projects

- Customer:** **Automobile Supplier**
Project: Technical Consulting by the SAP R/3 Migration
- System installation for a Shadow database (Libelle)
 - Batch Job Management and Programming of Job- Nets
 - System administration
 - techn. Support by the Data migration
 - System upgrades
 - Programming automatic Business orders (File transfer, System clean) with Shell- and VBS- Scripts
 - Authorisation concept and –maintenance
 - Databases: DB2 on AIX and Windows, Oracle, SAPDB (LiveCache)
 - Operating systems: AIX and Windows NT/2000
 - SAP Components: R/3, APO, BW, KPRO
 - Set-up of the SAP Solution Manager V3.1
- Customer:** **International Hard- and Software Manufacturer**
Project: Upgrade SAP R/3 Basis under Sun Solaris
- Customer:** **International Hard- and Software Manufacturer**
Project: Problem handling of the customers and other Support-Departments, Communication with external and internal Customers, Environment SAP R/3 Module SD
- Customer:** **Fittings manufacturer**
Project: Introduction of the result statement of the Components CO-PA of the Standard software SAP R/3, Tool: SAP-CO-PA
- Customer:** **International Hard- and Software Manufacturer**
Project: ABAP/4-Programming FI, SD, CO, MM
- Customer order calculation (Self-programming, Batch-Input),
 - Interface programming (Inbound / Outbound),
 - Interface generator IM3,
 - Programming of Userexits for COPA,
 - MM: Batch-Input to the Creation of Views,
 - Programming of functional modules,
 - DDIC-Maintenance: Creation of tables, Data elements, Domains;
 - Creation of maintenace dialogues for tables,
 - Report programming, interactive programming,
 - User extensions of SAP-Dynpros (MM-master data management),
 - Direct input from MM-master data,
 - IDOC-Extensions



Reference list of completed Projects

Customer: International Hard- and Software Manufacturer
Project: SAP R/3 Introduction, Structure of a Helpdesk SAP R/3:

- Coaching of the customer's employees
- Support with handling complex Problems
- Solution of organisational and conceptional Questions for the Set-Up
- Organisation of the Help Desk Processes
- Structure of a Solution database

Customer: Automotive
Project: Roll Out SAP R/3: State-specific extensions in SD, MM
Conception of new Business processes in Logistics; Development of customised extensions and Modifications:

- Production of One-step-Dialogue transactions to the reservation of stock movements of coherent voucher-items (according to special customer-made Criteria).
- Additions for the processing of pre- and part payments.
- SAP R/3 (Moduls MM, SD, ABAP/Workbench)

CAD-Projekte

Customer: Aviation
Project: Catia V4/V5
Analysis of Development projects, Production of Specifications, Execution of the development according to the Specifications, Validation and Acceptance as well as Support and Maintenance of the Applications.

Customer: Aviation
Project: Training and Courses in the area Catia V5

Customer: Aviation
Project: VPM Adjustments

- Cooperation by the adjustments of the VPM-Extraction tool for the automatic Synchronisation between VPM and PRIMES.
- Support during the Process control.
- Development of a Conversion module for VPM Catia V4 Data after Catia V5

Customer: Aviation
Project: 1st- and 2nd-Level User-Support for the Application CATIA V4/V5

Customer: Automotive
Project: CATIA-Support and Training

- CAD User-Support
- Repair of CAD-Models
- Support for Software- and Hardware problems



Reference list of completed Projects

- CAD-Function
- Data exchange and Data archiving
- On site-Support
- UNIX-System administration
- Adjustment and Maintenance of automated Job operations
- Creation of Scripts
- Roll-out Planning
- Installation
- Test
- First level Support for the Users
- Application emphasis CATIA and CCD
- ...

Rollout Projects

Customer: Automotive
Project: XP Rollout
Programming in the environment vbs/whs or AD and LDAP

Customer: Automotive
Project: XP Rollout
Support with Project management

- Project management
- Rough planning of the departments
- Control of external Service Providers (60 Employees)
- approx. 10.000 Computers concerned
- approx. 12.500 Users
- Planning of Meetings
- Development of Rollout Processes
- Date control
- Report production
- Documentation production
- Production of Presentations
- Bring-together of all Internal Departments (DCAG)

Customer: Industry Gas
Project: NT Rollout
Project Coordination

- 16 Locations
- 90 Servers
- Network architecture structure / Development
- 1000 PCs
- Up to 20 Employees



Reference list of completed Projects

Exercised Activities :

- Project management
- Budget Correction and Controlling
- Resource planning
- Milestone definition and -control
- Detail planning Network and Conversion
- Employee direction in the Project
- Reporting to the Management
- Preparation for the Project management
- Workshop preparation
- Documentation production
- Technical communication with the departments and conversion into IT Analysis
- Support of all accompanying IT Projects concerning the compatibility and Resources (human and IT)
- Logistics
- Training course preparation

Customer:
Project:

Industry Gas

XP Rollout

Project Coordination

- Detailed-Planning of the adjustments
- 50 Locations
- Approx. 3500 Users
- On-site support of the adjustments
- Disarm old Servers incl. Data transfer
- Total volume approx. 5 Million €

Customer:
Project:

Service industry

Windows 2000 Rollout

Project management

Reorganisation of the Group internal Network

- Windows 2000 Server & Workstation
- VPN over Internet connection up to 32 Mbit
- Microsoft Standard Products
- Automatic Software distribution
- Central Mail system on Exchange 2000 Basis
- Process documentation and creation for several areas
- Selection of a Process tool and Implementation



Reference list of completed Projects

Lotus Notes Projects

Customer: Automotive
Project: Lotus Application development

Customer: Automotive
Project: EA-Tool

- Lotus Notes/Domino Application Management
- Conception/Development of a Workflow-Tool „Development Orders“ (DO) with additional Reporting-Functionalities like Budget-Evaluations, KAPA-Evaluations, Ratio-System etc.
- Connection/Interface on SAP R/3, Graphic Evaluations, Export/Import-Functionalities etc.
- Creation of Documentations, like for example technical instructions

Customer: Automotive
Project: Extension of an internationally used Tool for the strategy monitoring in the area of Automotive-Development. The project contains the realisation of a complex Workflow as well as the allocation of a multiplex Reporting-Tool.

Because of the high data arising and the complex logic of individual functions there is a „thin line“ between Performance, development costs and Maintenance.

The access can be only given over the Browser, so that one can work with JavaScript, Backend-Agents as well as MS Excel-WebQuerys.

The task contains up to 80% Development, mostly in the Team.

The remaining tasks contain 3rd-Level-Support, Project planning, RollOut-Coordination and Documentation. Further subprojects, which are to be partly directly with the internal customer, come from the departments of Human Resources and Document-Management.

Software: LotusScript, JavaScript, HTML, VBScript

C/C++ Projects

Customer: Medicine systems
Project: Cooperation in the Design and Development of the Clinical Data Servers with close Teamwork in Germany and the USA

- assigned Technologies: Microsoft XP, .net, C#, VB.net, XML, UML, Visual Studio.net, etc.

Customer: Aviation
Project: C++ Interface Development under Unix and Windows



Reference list of completed Projects

Customer: International Hard- and Software Manufacturer
Project: MDCS – Media Distribution and Caching Service

- Concept/Development of an http-Server-Platform (IPC, Socket, Shared Memory, Signal handling) for Video Streaming with access on a DB2-Database (Accounting, Authorization, Authentication) for the German Telecom
(AIX 4.3, Visual Age C/C++ Professional V 5, DB2 8.1, Perl 5.0, Apache 1.3, CVS)

Customer: Entertainment Electronics
Project: Speech recognition
Windows programming with VC++ under Application of the MFCs as well as Programming under Perl.

Database-Projects

Customer: International Hard- and Software Manufacturer
Project: Development of an Access Database, extension to SQL Server-Database, Introduction first in Germany, then Europe, USA and Far Eastern

Customer: Telecommunication
Project: Margin controlling in Access - Design, Database design, Programming

Task Description:

- Takeover of Order Administration Data from SAP, Economic Plan Data from Excel, Processing of Project-Data in Excel.
- Administration of Project data in Access.
- Collection of all Data.
- Evaluation of actual-Data, accounted achievements, not yet implemented achievements, still open orders, planned Turnover , remained orders for current year, previous year and subsequent years. Calculations of necessary Data, that was not able to be gotten from SAP.
- Different analysis reports in German and English. Evaluation of the data after various selection features, e.g. after orders, Projects, kinds of selling, selling offices, selling ways, salesmen, companies, Product sections, Production lines, Countries, Regions, Customers, Customer groups etc.
- Analysis reports for further processing in Excel.
- Consistency test of the overtaken Data.
- Various smaller evaluations.
- End of year, Archiving and deleting of finished orders.
- Reproduction of Excel-Data for further processing of different reports in Excel.
- Export of Data into other Databases for giving further to sub-companies.
- Data volume approx. 300.000 Data records per year
- Production of class modules



Reference list of completed Projects

- Database administration
- Network: Windows NT
- Software: VBA, ACCESS97, SQL
- Operating system: Windows NT
- Database: Access97

Host-Projects

Customer: Bank

- Project:** VRNetWorldCard (HBCI Home-Banking-Card with Smart card reader)
- Project management and Coordination
 - Analysis and Conception of the Card-Maintenance, Card-Order over the DG-Publishing house and account payment on the basis of the object oriented WAM-Method
 - Technical and conceptional Tuning with the special areas and the DG-Publishing house (Card reduction)
 - Production of class diagrams and Visions (Program targets)
 - Realisation VRNetWorldCard (with Cobol and JSP)
 - Production of test cases and Documentation
 - Test of the complete Card ordering- and Homebanking process
Active Supply within the range of eBanking / eBrokerage
 - Conception and Realisation of the active Supply, which disposes the acted equivalent at the KK-Account.
Depending on each business transaction (Order purchase, -sales, -cancellation or addition) the available amount of the bank customer is reduced or increased.
Arrangement at the KK-Account within the range eBanking
 - Conception and Realisation Disposition at the KK-Account for the Homebanking-System eBroker
Arrangement at the KK-Account in the range eBrokerage
 - Conception and Realisation Arrangement at the KK-Account for the Brokerage-System GenoBroker
 - Methods Software: Cobol II (ADT OO-Cobol), DB/2, IMS/DB, IMS/DC, MQ-Series, MS-Office, Profi-Cash, Java and JSP

Customer: International Hard- and Software Manufacturer

- Project:** REXX Compiler/Library Development and Change Team
- Problem handling (PMRs)
 - Migration of the REXX Library into the Development environment ISPF/SCLM
 - Customisation of Assembler-Stub-Programs for compiled REXX LMODs. (ISPF-Interface mistake elimination)
 - Customisation of Assembler Programs for REXX internal Functions and production of appropriate Test-Cases in REXX.



Reference list of completed Projects

Customer: Automotive

Project: COBOL Programming under VM and MVS.

- Extensions on an existing accounting system with access on a DB2-Database.
- Software: COBOL, VM, MVS, DB2

Customer: Bank

Project: GenoNIC

Conception and Realisation of a working splatform fort he support of local NOC of the FIDUCIA AG Karlsruhe. Database design, Implementation and connection of different System landscapes.

Customer: Automotive

Project: New development of an invoice System with COBOL and DB2-Database under MVS

- Software: COBOL, VM, MVS, DB2

Unix Projects

Customer: International Hard- and Software Manufacturer

Project: Despatch of RS/6000 Installation, Administration

Services:

Installation, test, troubleshooting of IBM RS/6000 systems with AIX 4.3.3 and Linux "Redhat" operating systems over an AFS or DCE/DFS distributed file systems with machines ranging: 140, 150, 170 SP CHRP (7043-7044 models) 260, 270 SMP CHRP.

E-servers S80, S85, 6m1 with SSA draws and RAID system.

These machines were installed using (bootp and tftp and nfs) through NIM server and also controlled by NIM having a tokenring or ATM connection. Other tasks that were fulfilled during the service has been:

1. Writing scripts in KSH for automation of installation inventory control, network and system administration based upon TCP/IP and UNIX rules, tools and guidelines.
2. Problem analysis non-standard problems which some were related to hardware simulation machines using Fibre channel.
3. Dealing with day to day UNIX, CDE, TCP/IP, helpdesk problems which hardware development could come across ranging from
 - None standard creation of "volume groups" "logical volumes" "paging spaces" according to the needs
 - Changing the security structure of a mount, file system, or directory
 - Exchanging or re-configuration of hardware in variety of types and forms
 - Writing a script for a particular ACL privilege
 - Writing a script for rolling out the Linux RPM for integration of Linux tools with AIX 4.3.3
4. Documentation and creating a menu programme for further use of programmes created.



Network Projects

Customer: Bank

Project:

Network Planning

- Network Planning, Consulting and partly Project management with Fusions of Banks in the largest computer center for banks,
- Consulting for the Optimisation of WAN's and LAN's,
- Design of temporary Topologies,
- Redundant Layer 2 and Layer 3 Concepts,
- Upgrades of IP-Terminals,
- 3rd Level Support,
- LAN/WAN Documentations for the Network management system,
- Monitoring of IP-Terminals, Range Measurements,
- Complex LAN/WAN Offers, Consulting, Sales Support, Pre-Sales, Offer controlling,
- LAN/WAN Rollout changes from Token Ring to Ethernet (e.g. Volksbank Frankfurt, Börsenstr. 1).
- Training of apprentices, Students and new Colleagues
- Knowledge: Switches and Backbone Switch of the company Nortel (BayStach 350, 450, Policy Switch, Passport 8xxx) Switch and Backbone Switch of the company Cisco (Catalyst 29xx, 35xx, 400x, 6x0x) Router of the company Nortel (AN, ANH, ARN, ASN)
- Infrastructure: 600 Banks with approx. 60 000 Connections, X.25, Frame Relay, ATM, Token Ring, Ethernet, TCP/IP, SNA, Netbios, OS/2, Unix, NT, DB2, SAP, Self-developments, Host.
- Locations: Stuttgart, Karlsruhe, Erfurt, Saarbrücken, Kassel, Berlin

Middleware Projects

Customer:

Bausparkasse

Project:

Organisation programming with different Projects:

- IBP-RC: Creation of a uniform random inspection system for the replacement of used practices
- IBP-Partner (regular customer data): Integration of the IPB-Partner Program in the existing processes.
- IBP-SV: Program regulated support of the reminder and supplemental proceedings.

The Programs were generated on the PC with the Program generator APPMaster-Builder provided in S-COBOL, to which AS/400 handed over to COBOL/74 and was there generated, later were the programmes not anymore in COBOL/74 but in ILE-COBOL generated. The programming was object-oriented accomplished.

- Project environment: AS/400-F60, S-COBOL, COBOL/74, ILE/COBL, QUERY, SQL, MS-WORD, MS-EXCEL

The programs were tested with Testdata or with falsified Original data.

The Documentation was made with MS-Word.



Reference list of completed Projects

Other

Customer: Betriebskrankenkasse

Project: Support and Administration of the Citrix-Farm

Customer: International Hard- and Software Manufacturer

Project: Hardware Support region Stuttgart, On-site-Service

Customer: Food company

Project: ThinClient

Function:

- Production development environment, ThinClient Fujitsu-Siemens Futro B100, Administration Win NT4 and 2000, Package or Software supply, Preparation Thin Client for Rollout

Tasks:

- Administration Windows NT4 and 2000/2003
- Admin ActiveDirectory Windows Server
- Software packages production for ThinClient
- Installation Thin Clients (FUTRO B100)
- Documentation of the Project Thin Client
- Installation MS Win Term Server 2000/2003
- Training of the employees

Customer: International Hard- and Software Manufacturer (Train technology)

Project: Elektronik Signal tower – System specifications for the Finisch Railway

- Cooperation on the System specifications
- Cooperation on the Definition of Test processes
- Creation of the Test spezifications for System tests
- Test evaluation

Customer: International Hard- and Software Manufacturer (Train technology)

Project: Integrated Safe Display (ISD)

- Production of offers
- Specification of software/Hardware-changes
- Production of Test specifications
- Assignment of the manufacturer of Software/Hardware
- Production and monitoring of Project time plans
- Project management
- Acceptance of the assigned Software/Hardware
- Production of the Documentation