



Paul Chlebek

information architect

UML XML HCI MDA CMMI

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education

diploma degree in computer science
postgraduate: slavonic studies and old history
languages: german, english, russian, polish, czech

practice

practiced as information and software architect, project manager, coach, procedure and software developer.
well-versed with UML and GUI modelling, formal languages and information models.
references as software, procedure- and process developer for BMW und other internationally acting organisations.
practical experience both in Germany and abroad as developer, project manager, architect, internationalisation engineer, and coach.

range of application

information architect: elaboration and implementation of information architectures, development und construction of domain specific languages, data and object modelling.
software developer: conception, design and implementation (unified modelling language, object oriented design, user interfaces, business objects, frameworks).
consultant: requirement analysis, use cases, specifications, risk management. analysis of technical and organisational constraints.
coach: know how transfer, task force for difficult project situations, method development, engineering processes, change management.
test manager: quality management, requirement management, planing, test configuration, test methodology, requirement mapping, defect and change request tracking, reporting and metrics.

skills

programming languages C/C++, Python, Java, Basic, Pascal, COBOL, RPG, SQL, XSLT, XSLFO

operating systems Windows, Mac OS X, MVS

data bases DB2, MySQL

compiler techniques Lex, Yacc, ANTLR

world wide web Zope, AJAX, HTML, DHTML, CSS, SVG

other tools Eclipse, XML Spy
CVS, SVN, SourceSafe
MagicDraw (UML), Rational Rose (UML), MetaCASE (DSLs)
Telelogic Doors
Synergy Change, Mercury Quality Center
Roundup Issue Tracker
Microsoft Office, Open Office

methods OOA, OOD, UML, ERM, IDEF
CMMI, V-Modell, V-Modell XT
requirement development, configuration management, quality management, test management, change management
design of information architectures
user interface design, usability engineering

certificates certified webmaster (IIR)
professional requirement analysis (IIR)
developing corporate applications with enterprise java beans (IIR)
e-process: workflow for e-business (IIR)
business administration for managers (Euroforum)
managing of conflicts (Hernstein Management Institute)
twister 4 initial (Brokat)

publications book: „user interface oriented software architecture“, Vieweg Verlag Wiesbaden 2006, ISBN: 978-3-8348-0162-3
book: „user interface development by examples“ (work title), Vieweg-Teubner Verlag Wiesbaden 2009 (in preparation)
speech: „communication and specification on user interface design“, usability professionals track at the Mensch & Computer conference, Johannes Kepler University Linz

teaching assistant lecturer for user interface design at computer science faculty:
user interface architecture course for graduating students at University of Cooperative Education Gera 2007, 2008
coach in methods and tools for UML modelling, GUI development and XML at FiNet Ltd. 2006-2009

projects

- 2009
- HCI tools and methods development: generating screen models out of specification text, upgrading the XML layout description language for generating of production-run-near screen prototypes. (Java, Python, Xml) (BMW FIZ Munich).
- KNS: development of data templates in DB2, GUI specification for the portal application for consortium loans (FI Frankfurt am Main).
- Gallestro: system analysis and product development plan for a workflow management tool chain (FiNet Ltd.).
- 2008
- BMW FIZ Munich
- HCI specification process: development of specification methods at the gateway an from graphics to operational logics (ALPE, ScreenVis, InDesign, Doors, Photoshop, Xml/Xslt, Python, Java, Uml).
- change request management rollout: tailoring the tools (Change Synergy, Doors) and processes for production run in the department IuK (EI-4), CMMI compliance.
- change request process support: coaching the trainers, establishing the reporting and the boards, controlling of the change request clarifying process.
- 2007
- BMW FIZ Munich
- ALPE: specification architecture for automotive user interfaces. design of the specification language. automated transformation of the specification sources into various target formats for further processing. automated validation and verification of specification contents. automated visualisation as graphs and screen models. generating of reports and lists.
- PM/KM: reconciling and launching of process improvements at the project and configuration management for being applied in the IuK department.
- CMMI launch: needs assessment, reconciling and implementing of operational changes. pilot measures (HCI feature clarifying workflow, reconciliation workflow) for accordance with CMMI level 2.
- 2005-2006
- BMW FIZ Munich
- product evolving process (PEP) and product data management (PDM): basic concepts and detailed design of the process area CAD monitoring und approval management in the CAD construction.
- test management: compiling and implementation of the test management manual for software and process components in the vehicle development process.
- HCI development methods: analysis and qualification of specification models and development tools; launching a information architecture for model driven development of the human-computer interface in the vehicle.
- HCI development techniques: generating meta models, notations and specification tool prototypes for dialog intense software systems.

HMIML: formal language for modelling user interfaces. meta modelling with MOF, modelling of domain specific languages with UML, automated language implementation with XSD/XML.

2004

HCI specification: UML information model for specifying user interfaces (BMW FIZ Munich)

PEP PDM LS3: conception of a software aided approval and change management workflow for CAD construction (BMW FIZ Munich)

software architecture: review and assessment of rival architecture concepts for the reengineering of a financial software system (Lexware, Freiburg)

software architecture: user interface and framework architecture for a mortgage loan software, coaching the developer team, model driven development with XSLT and Java. (Dresdner Bank, Frankfurt am Main)

management coaching: analysis of the product and service portfolio in the system integration division. adjustment of organisation, processes and services (Haitec Inc. Munich)

2002-2003

senior consultant at Coreview Ltd Augsburg

development of workflow processing systems: pre-sales, project management, moderation of workshops, feasibility studies, architecture concepts

C6 loan administration system: basic concepts, design and implementation of the authorisation subsystem, user and - und institute management

OSP load administration system: workflow modelling, front end modelling, consulting on development methods, moderation of the design team

PAM: tool set for process based user interface modelling; specification of the modelling language, development of specification templates, editors and transformation tools, providing users with reference models, implementation of the Excel2xml interface

1997-2001

head of product development at CPU Inc. Augsburg

project and product management, responsibility for budget and staff, authorized signatory

ARGUS credit assessment system: software design, team lead, project management

DBKM loan administration system for Deutsche Bank: software architecture, interface architecture, user interface architecture

C5 PK loan administration system for Bayerische Landesbank: general architecture, application frame, user interface design

WK loan administration system for Dresdner Bank: software architecture, workflow architecture, user interface design

1995-1996

lead engineer, internationalisation engineer at Intuit Inc. in Ismaning and Mountain View CA USA

Quicken 4.0: leading engineer

Quicken 4.5: leading engineer, team manager

Quicken International Code Base: leading internationalisation engineer
Quicken 6.0: architect, development team lead

1993-1994

lead engineer and team manager at Gebacom Ltd. Augsburg.
Quicken 3.0 for Germany: lead engineer (Augsburg and Palo Alto).
Quicken 3.0 for France: engineering coach (Strassbourg).
Btx-DLL communications library: architecture and project management (Augsburg, Moscow, Kiev).
MagicVoice software phone machine: project management (Augsburg, Moscow, Kiev).
MagicEye uninstaller for Windows 3.x: project management (Augsburg, Moscow, Kiev).

1987-1992

transferring the registry of the purchasing department into a relational database (DBase, FoxPro) at Gummiwerk Kraiburg Ltd. Waldkraiburg.
concept and implementation of a administration system for the high bay warehouse (RPG III auf IBM/38) at Netzsch Ltd. Waldkraiburg.
development of a nursing home administration system (C, SDK, Windows 2.0) at Carstens Systemhaus Ltd. Untermeitingen.
development of a engine block casting pit allocation software (FoxPro, NetWare) at MAN B&W Augsburg.
supervising tutor for laboratory courses in compiler construction, Cobol and C/C++ at University of applied sciences Augsburg.
language transformation from Cobol to C (Cobol parser, code generator for C, Cobol run time library for the C/C++ environment) at University of applied sciences Augsburg.
technical assistant at Institute of Baltic Sea Research Warnemünde:
analysis of von measured data, data base programming (SQL), graphical programming (HPGL).