

## Peter Wensing

Systems analyst

Development · Instruction · Consulting

Parkstraße 4

38179 Groß Schwülper

Germany

Phone: +49 (0)5303/6082

Mobile: +49 (0)173/9493169

e-mail: office@pwensing.de

# Qualification Profile

## Personal Data:

- Born June 19, 1963 in Hamm/Westphalia, unmarried

## Education:

- Study of mathematics and computer science (Technical University of Braunschweig, Germany)

## Special Abilities/Soft Skills:

- Exceptional analytical understanding combined with excellent mental grasp
- Reliable intuition for successful solutions
- Systematic, sensibly planned, methodical application of procedures
- Efficient application of conceptual ideas to pragmatic, operational solutions
- High awareness of quality
- Exceptional commitment
- Competence and professionalism
- Strong sense of responsibility
- Ability and willingness to work in a team
- Communicative, helpful and open-minded

## Experience in EDP:

- Professional since 1984, private since 1979
- Freelance projects since 1989 (more than 23 years in projects)
- Freelance instruction since 1992 (more than 300 days as instructor)

## Main Focus:

- Architecture of object- and business process-oriented systems
- Distributed applications (Java EE/J2EE, Spring, Web Services)
- Workflow management systems (development of integrated WfMS for several years)
- Database management systems
- Java, C/C++, Smalltalk
- Android Development
- Project leadership (technical domain)

## **Branches:**

- Banking/finance
- Insurance
- Administration/authorities
- Industry (car)
- Telecommunication (mobile phones)
- Research, development, university

## **Programming Languages:**

### *Excellent experience:*

- Java (up to JDK 11.0, more than 15 years)
- C/C++ in different programming environments (more than 10 years)

### *Further skills:*

- Smalltalk (IBM Visual Age, Cincom Smalltalk ObjectStudio) (3 years)
- Informix ESQ/C (2 years) and 4GL (4 years), Oracle PL/SQL (basics)
- Modula-2, Pascal, OCCAM, BASIC, Prolog, Fortran, Cobol, various assembler languages (80386, 68000, 68HC11, Transputer), Tcl/Tk, Unix shells, Windows command files

## **Operating Systems, System Architectures, Container:**

- Various Unix systems (System-V as well as BSD, Linux - more than 17 years)
- Windows 10, XP, 2000, NT 4.0, 95 and 3.11, MS-DOS (more than 15 years)
- Android 11
- Docker 19.03.15
- Raspberry Pi, BeagleBone Black, Arduino, CPM/68k, 68HC11 (embedded system), 68000-based systems, Transputer

## **OO Design:**

- UML, OMT (8 years)
- Design Specific Languages (DSL)
- Model Driven Architecture (MDA)
- Design patterns (GoF, Java EE/J2EE etc.)
- IBM Rational Rose 98i, 2000e and 2003 (4 years; incl. RoseScript)
- MID Innovator 2009 (2 years)
- Paradigm Plus 3.5
- Aspect-oriented software development
- Application frameworks

## **Distributed Systems - Middleware, WEB Development:**

- Implementation of application server technology (components, object containers, distributed object transactions, transparent persistence, activation/deactivation, life cycle, deployment, generation from UML or DSL etc.)
- Java EE/J2EE
  - Java EE 6
  - Enterprise Java Beans (EJB) 3.1
  - Java Servlet Programming
  - Spring Web-Services 2.0.2
  - Java Server Pages (JSP)
  - Java Database Connectivity (JDBC)
  - Java Transaction API (JTA)
  - Java Message Service (JMS)
  - Java Naming And Directory Interface (JNDI)
  - Java Management Extensions (JMX)
  - Java Persistence API (JPA) 2.0
  - Hibernate 3.6.10 and 4.2.18.Final
  - IBM Websphere MQ 7.0.1.5
  - JBoss EAP 7.3.0, JBoss AS 5.5.0 Final, BEA WebLogic Server (WLS) 6.1, 7.0, 8.1 and 10.3, IBM Websphere 6.1, Oracle IAS 10g
- Web-Services
  - JAX-WS 2.2
  - Apache CXF 2.7.14
  - Spring Web-Services 2.0.2
- Message Broker
- MQTT
- CORBA 2.3 and 2.4 (3 years)
  - Naming Service (CosNaming)
  - Notification Service (CosNotification)
  - Persistent State Service (PSS)
  - Object Transaction Service (OTS)
  - BEA WebLogic Enterprise (WLE) 4.0 and 6.1
  - OpenORB 1.3.0
- COM/DCOM (1 year)
- RPC
- BEA WebLogic Portal (WLP) 4.0, 7.0 and 8.1
- Jakarta Struts 1.1
- WEB-Server Apache 1.3.12
- Tomcat 6.0.18 and 7.0

## **Workflow Management Systems:**

- Development of object-oriented workflow management systems for several years
- Business process modeling
- BEA WebLogic Integration (WLI) 7.0 and 8.1

## **Database Management Systems:**

- SQL (more than 17 years)
- Oracle 8.0, 9i and 10g (3 years, Unix and Windows/NT)
- IBM DB/2 7.1 to 10.5 (5,5 years)
- PostgreSQL 9.0 to 12.7 (4 years)
- Informix (Unix) (more than 5 years)
- PL/SQL
- Watcom SQLAnywhere (Windows/NT) (1 year)
- Microsoft SQL-Server (Windows/NT) (basics)
- Microsoft Access 97 (Windows/NT) (basics)
- JDBC (Oracle Thin and OCI driver)
- ODBC (Windows/NT) (basics)

## **XML:**

- Altova XML Spy 3.5 to 4.2
- JAXB 2.2.5
- Jackson 2.12.5
- Xerces-J 2.6.2, Xerces-C 1.1.0
- XSLT, XSL-FO
- Xalan-J 2.7.1, Saxon 7.6.5a
- Apache FOP 1.0
- iText 1.3

## **Development Environments/Tools:**

- Eclipse 2.0.2 up to 2021-09
- Android Studio 2020.3.1 Patch 2
- NetBeans 3.4 (Forte for Java, Sun ONE Studio 4)
- BEA Weblogic Workshop (WLW) 8.1
- Symantec Visual Cafe 3.0c and 4.0a
- IBM Visual Age for Smalltalk 3.1 and 4.0
- Cincom Smalltalk ObjectStudio 5.2
- Arduino-IDE
- gcc 9.3.0
- Microsoft Visual C++ 6.0
- WindRiver SNIFF+ 3.2.1
- IBM Rational ClearQuest 2002, 2003
- IBM Rational ClearCase 3.2.1+
- IBM Rational Synergy 7.1.0.1
- Git 2.28.0
- CVS 1.11/WinCvs 2.0.2
- Microsoft Visual Source Safe 6.0
- Merant Dimensions 9
- Spring, Spring Webflow, Spring Transaction, Spring Web 3.1.0
- JUnit 4.13.0
- Findbugs 1.2.0
- Easymock 3.0
- JMockit 1.17
- Arquillian 1.1.3
- SonarQube 8.9.1
- Checkstyle 6.8.1
- Gradle 2.4
- Apache Maven 2.0.11
- Apache Ant 1.5
- XDoclet 1.2
- IBM Rational Purify
- JProbe Suite 6.0
- JProfiler 6
- lex/yacc, ANTLR 2.7.2
- Velocity 1.5
- JAAS, JSSE, SSL/TLS
- SoapUI 5.0.0 und 5.1.3

## **GUI Libraries:**

- JFC: Swing, AWT (Java)
- Eclipse RCP/JFace (Java)
- Java Server Faces (JSF)
- MFC/ATL, GTK+, QT (all C++)
- IBM Visual Age, Cincom Smalltalk ObjectStudio (Smalltalk)
- Tk (Tcl)

## **Process models:**

- Scrum

## **Further Professional Skills, Exceptional Features:**

- MS-Office, LibreOffice, Lotus Notes, LaTeX
- English fluently
- Both 1981 and 1982 achievement of a second place of 'Bundeswettbewerb Mathematik'