

# Razvan Remus Popovici

## ***Summary***

Extensive IT professional experience, on various positions and companies, in contact with many technologies, organizational and management styles, in different European countries.

### **Software Architect, Designer and Project Manager**

- \* More than 10 years experience in software Industry on different positions.
- \* Designer, Architect and Team Leader for several Projects.
- \* Wide knowledge about UML.
- \* MDA (Model Driven Architecture) Experience with openArchitecture.
- \* Capability to employ statistical methods for early risks identification.
- \* Knowledge about OOD Patterns, GoF and Enterprise Patterns
- \* BS in Computer Science. Attended OOP and OOD classes.
- \* Theoretical knowledge about RUP, Hermes, Agile Modelling, Extreme Programming, Waterfall Model.

### **C++ Developer**

- \* More than 10 years hands on experience using C++.
- \* Experience and knowledge about many APIs and platforms: Windows API, MFC, Posix (Linux, Solaris), MS-DOS, PalmOS, Netware
- \* Knowledge in speed optimization, RAM usage optimization, algorithms.
- \* High efficiency in handling IDEs: Microsoft Visual Studio 2005, Microsoft Visual C++, Metrowerks C++, gcc/gdb/ddd, Turbo C++
- \* Able to understand and quickly change complicated programs.
- \* Attended C++ class during the University and High School programs.

### **(Java) Web Application Developer**

- \* Hands on experience in several projects with Web, WAP or HTTP-Tunneling applications, at different companies.
- \* Experience in Java Programming, JSP, PHP and ASP.
- \* Highly efficient in NetBeans, Visual Studio and Eclipse.
- \* Experience in Content Management.
- \* Knowledge about database access, HTML, CSS, JavaScript, WAP, Web GUI, Applet.
- \* TCP/IP networks: functionality and security knowledge.
- \* Knowledge of HTTP and HTTPS protocols.
- \* Knowledge of connectivity and interaction with other systems: JDBC, ODBC, ADO, EJB, JMS, MSMQ, direct file access, sockets.

### **Database Developer**

- \* Knowledge of MS-SQL, Oracle, PostgreSQL, Visual FoxPro, Microsoft Access, OpenOffice Base
- \* Over 5 years experience in Database Design and Normalization
- \* Database access with different languages and APIs: OLEDB, ADO, ODBC, OTL, JDBC, C++, Java, PHP, Hibernate, EJB.
- \* ORM (Object/Relational Mapping) with Hibernate and EJB
- \* Reporting: Crystal Reports, Jasper
- \* Attended a Database Design course during the University program and a SQL/FoxPro class during the High School program.

### **Java Application Programmer**

- \* Worked on Java Projects for several Companies.
- \* Certified SCJD, SCJP
- \* Wide knowledge about Java platform: Database access (JDBC, Hibernate), Networks, GUI (Swing) and IDEs (Eclipse, NetBeans).
- \* Experience in command line and graphical applications.

### **Empirum Pro Consultant**

- \* 5 Years experience at "matrix42 AG" Germany in the development department.
- \* Capable to install and configure Empirum Pro.
- \* Able to adapt Empirum Pro. Able to program new modules, in order to fully satisfy customers' requirements.
- \* General knowledge about networking, software installation, and synchronization.

## ***Study***

27.12.2005 Sun Certified Java Developer

28.04.2004 Sun Certified Java Programmer  
15.12.2003 - 19.12.2003 Empirum Complete Training  
1995 - 1999 Bachelor Degree from "Transilvania" University Brasov, Romania, Computer Science Department.  
Graduated with 9,65 out of 10  
1991 - 1995 "Radu Negru" High School Fagaras, Major in Math and Physics

### ***Professional experience***

15.11.2005 - Present Owner of "Software Ingenieurbüro Popovici" in Germany - Contracts with Siemens AG and maxcrc GmbH  
01.03.2001 - 28.02.2006 Software developer at matrix42 AG Neu-Isenburg, Germany  
01.11.2000 - 28.02.2001 HLP GmbH Developer for www.webacad.de  
01.09.2000 - 30.10.2000 Exody GmbH Developer for the main products of the company: WebSuxess und Shopsuxess  
01.10.1999 - 01.07.2000 ROUTE 66 BV und ROUTE 66 srl Holland and Romania - Developer for Geographical Information Systems application server products  
1997 - 01.09.1999 Rata Prod srl Romania business manager and developer for controlling and administration software  
1996 - 1997 Independent developer - controlling software for Romanian schools and high schools  
1996 - 1996 Romania Cable System SA Romania, previously Analog SA. Part time job. Maintenance and development of the controlling software in the company and Professional Services  
1993 - 1996 Five SRL Romania. Part time employee

### ***Technical skills***

**Project management:** UML Modeling, Agile and Waterfall project management knowledge, Knowledge about CMM and ISO regulations, Gantt Diagrams for dividing work and progress tracking, Creating business processes about support, quality management and development, Revision control systems, Bug Ticketing Systems, Statistical analysis of source code.

**Programming languages:** C++, Java, C#, C, Pascal, Fortran, Cobol, Prolog, Lisp, Basic, Basic (spectrum Z80), Assembler Z80, i8086, i80386, JavaScript, FoxPro, Visual Fox Pro, SQL - Oracle, MSSQL, PostgreSQL.

**Development platforms:** Spectrum Z80, MS-DOS, Windows API, J2EE, Palm OS, Windows CE, .NET.

**C++/other IDE and development tools:** Visual Studio (6.0 und .NET 2003), Metrowerks C++, DDD Debugger, Visual Studio C# 2005, Borland Turbo C++, Borland Pascal, Microsoft Developer Workbench, DDK - Driver Developer Kit for Windows NT.

**Databases:** Microsoft SQL Server 2000, 6.0, Oracle (Programmer) 10,9,8, PostgreSQL, FoxPro, MySQL, Hibernate, Persistence technique, Data Access Technology: ODBC, DAO, ADO, JDBC, Normalization theory, Reporting with Crystal Reports and Jasper.

**Operating systems - Usage, Maintenance, Installation:** Windows 2003 Server, 2000, NT, XP, 95, 98, Millennium, Linux - Suse, sles9, Fedora, DOS, FreeBSD, PalmOS, Novell Netware, Sun Solaris, Windows CE, Windows 2003 ME.

**Embedded systems:** PalmOS, C++ with Metrowerks.

**GUI Programming:** Windows Forms, MFC, ProfUIS, C-PLAT, Swing, AWT, Remedy.

**WEB Application:** JSP, PHP, ASP, Servlets, Jakarta Struts, XML parsing, XSLT, XPath, FO-language,

HTML (3.2, 4.0), Apache WEB Server, Tomcat, JRun, Microsoft IIS, Netscape Web servers, Hyperwave Contents Management System, CSS, WAP, WML, Nokia WAP Server, GIMP (Image processing), Corel (5.0 - Corel Draw, Corel Trace, Corel Paint), 3D Studio Maxx.

**UML:** ArgoUML, MagicDraw, Poseidon, Rational Rose, openArchitectureWare - MDA, AndroMDA - Generation platform.

**Java IDE:** Eclipse, NetBeans, JCreator, Visual J++, Borland JBuilder 4.0, Command line, Ant, Maven.

**Java Platform:** EJB - JBoss, Sun Java System (SJS) Application Server, Hibernate, Swing, Awt, RMI, JUnit, Swing Unit, Ant.

**Concurrent versioning systems:** Microsoft SourceSafe, Source off site, Subversion, ClearCase, CVS, WinCVS, StarTeam.

**Mathematical tools:** Mathcad, Matlab, Derive.

**Network and security:** Empirum Pro (Desktop Management System), SSH, TCP/IP, Programming sockets applications, Firewalls, Load balancers/web balancers, Proxies - squid, apache, rsync, Communication protocols SMB, FTP, HTTP, HTTPS, rsync, DHCP, TFTP, PXE, POP3, SMTP, SNMP, SSH, Telnet, ATM - Basic knowledge, Exim - Mail Server.

**GSM/UMTS Networks:** Siemens CM\* / CADDIE, Basic knowledge about BSC, RNC, NodeB.

**Algorithms:** Sort, QSort, Divide and conquer, Backtracking, Branch and Bound, Dynamical Programming, Operations Research, Numerical Methods, Binary search, 2D, 3D search, Index, Geometrical algorithms, Graph Algorithms, Boolean Algebra Algorithms (expression optimization), Complexity computing and optimization.

**Distributed programming:** COM/DCOM, JAVA-RMI, EJB, CORBA, IPC of the XNET Company.

**e-Business:** Intershop Enfinity, Hybris (PHP Version), eLearning Suit - Hyperwave Module for Internet based learning, Idea Seller - Katalog International.

**Quality assurance:** JMeter, JUnit, JFCUnit, Coverage reports - Emma.

**Office tools:** Microsoft Office Professional (Word, Excel, PowerPoint, Visio, Access, Project), Open Office, TeX and LaTeX.

**Accounting:** Romanian accounting, Romanian salary computation.

**Other:** Microsoft MSMQ Programming, Speed, size and memory optimization, Printer direct programming, Windows driver programming.

## **Languages**

**Romanian:** Native

**English:** Speak/Read/Write - good

**German:** Speak/Read/Write - good

**French:** Speak/Read/Write - satisfactory

### **Contact**

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For more information regarding my project experience and practical skills, please consult my webpage, on <http://www.razvan.de>.

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