**Curriculum Vitae**

|  |  |
| --- | --- |
| **Oskars Vilitis**  Phone: +371 29111922;  E-mail: [Oskars.Vilitis@gmail.com](mailto:Oskars.Vilitis@gmail.com)  LinkedIn: <http://www.linkedin.com/in/oskarsv>  Born 17 November 1980 in Riga, Latvia.  Single, no children. Latvian citizenship.  Current residence: Miesnieku 14-9, Riga, LV-1050, Latvia | |
| Experienced architect and system analyst with a broad experience in large scale IT projects of different profiles (mainly finance- and insurance-related customer solutions). Mainly specialized in Java-, J2EE- and WEB-based development, but experienced also in mainframe, desktop PC and other application development.  Participated in mid-sized to multimillion projects for top US, Swiss and German financial institutions and insurance companies, working both off-shore and on-site as lead architect, consultant and team leader.  Skilled team builder successful in creating trustful cooperation with colleagues and superiors. Has experience in team management and authority delegation. | |
| **Education:** | Ph.D. in Computer Science, University of Latvia, 2005 – 2009  Master in Computer Science, University of Latvia, 2002 – 2004  Bachelor in Computer Science, University of Latvia, 1998 – 2002 |
| **Language skills:** | Latvian – native; English – fluent; Russian – fluent; German – basic |
| **Work experience:** | More than 13 years of experience in a broad spectrum of projects, participating in all software development phases starting the requirement gathering up to the production support. Extensive experience working in highly international and distributed teams, also working on-site in USA, Germany, Switzerland, Sweden, Russia and Ukraine.  Summary (detailed information in the project experience appendix):  **2010 – present** consultant at SWH Sets  Establishing system architectures, consulting and leading development.  **2011 – 2012** consultant at Lattelecom Technologies  Consulting and participating in migration and development of Java applications, system security auditing and potential threat mitigation.  **2007 – 2010** lead architect and team leader at Exigen Services Latvia  Establishing system architectures, consulting and leading development.  **2006 – 2010** researcher at Institute of Mathematics and Computer Science  Exploration of MDA practical appliances and work on Eclipse extensions to support MDA processes, practical use of DSLs particularly.  **2003 – 2007** junior to lead architect and team / project leader at joint stock company DATI  Leading development, specialization in software architectures.  **1998 –2003** junior to senior system analyst / developer at joint stock company DATI  Software development tasks ranging from software specification preparation to development and testing. |
| **IT skills:** | **Databases:** ORACLE 8i–11g, MS SQL Server, MySQL, PostgreSQL, DB2.  **Programming Languages:** Java, C, C++, Perl, PL/SQL, Pascal, BASIC, Rexx, Visual Basic, Visual Basic for Applications, COBOL, PL/I.  **Platforms:** Linux, Unix, Windows all versions, MS DOS, MVS, OS/390, CICS.  **Technologies:** J2EE, EJB, JSP, Servlets, JSF, RMI, JPA, JTA, JMS, JDBC, JNI, Spring, Struts, Hibernate, GWT, SmartGWT, Oracle ADF, XML, XSL, XSLT, XHTML, HTML, DHTML, CSS, JavaScript, ANT, Maven, Swing, AWT, GEF, SWT, Eclipse platform, ASP, PHP, Business Objects XI. |
| **Hobbies:** | Passionate squash player (several silver and gold prizes in Latvian Open B league; first place in mixed team championship).  Love mountains and nature; enjoy hiking and other outdoor activities. Like travelling and exploring new places.  Interested in new technologies and always want to be at the front-line of innovations.  In spare time enjoy reading literature ranging from classics to 21st century creations. |
| **Publications / diploma papers:** | 2009 – Doctoral thesis  “Metamodel-Based Transformation-Driven Graphical Tool Building Platform”  2008 – Vilitis, O., Kalnins, A.: A Proxy Approach to External Model Repository Integration in Eclipse EMF Infrastructure. Proceedings of ECMDA MDTPI '08 workshop, Fraunhofer IRB Verlag, Berlin, Germany, June 9, 2008, pp. 67-78.  2008 – Vilitis, O., Kalnins, A.: Technical Solutions for the Transformation-Driven Graphical Tool Building Platform METAclipse. Computer Science and Information Technologies, Acta Universitatis Latviensis, 2008, pp. 179-214  2007 – Kalnins, A., Vilitis, O., Celms, E., Kalnina, E., Sostaks, A., Barzdins, J.: Building Tools by Model Transformations in Eclipse. Proceedings of DSM’07 workshop of OOPSLA 2007, Montreal, Canada, Jyväskylä University Printing House, 2007, pp. 194–207. |
| **Certificates and courses:** | January 2009, Recovering Troubled Projects. Provider: Exigen.  December 2008, Web Security. Provider: Exigen St. Petersburg.  April 2008, WebSphere Portal. Provider: IBM.  March 2008, Developing Applications with a SOA architecture. Provider: IBM  March 2008, Software Performance Tuning. Provider: Exigen St. Petersburg.  November 2006, Persuasion Technologies. Provider: Triviums education.  December 2003, Internal German language courses. Provider: Exigen.  July 2003, Basics of Mainframe Programming. Provider: RITI.  June 2003, OS/390: Introduction in CICS. Provider: RITI.  March 2002, EJB 2.0 Programming. Provider: RITI.  September 2000, Java Programming. Provider: RITI.  March 2000, WEB Programming. Provider: RITI.  October 1999, Oracle 8 Design and Development. Provider: DataPro.  May 1999, IMS/DLI Software Development. Provider: RITI. |

**Project Experience**

|  |  |
| --- | --- |
| **Company / duration:** | SWH Sets, November 2011 – present |
| **Position:** | Consultant, Solution Architect |
| **Project:** | Design and development of new electronic invoicing business supporting applications for Expert Systems (Sweden) |
| **Technologies:** | JEE 6, JSF 2, Primefaces 3, JPA 2, JMS, Hibernate 4, Spring 3 [Core, Remoting, Security, AOP], AspectJ, Maven 3, Jenkins, Resin 4, JBoss AS 7, JUnit 4, Mockito, MySQL 5 |
| **Responsibilities:** | Architecture design and development, teaching new technologies to Expert Systems team members. |

|  |  |
| --- | --- |
| **Company / duration:** | Lattelecom Technology, March 2011 – June 2012 |
| **Position:** | Consultant |
| **Project:** | Mandatory Healh Insurance Information System for State Social Insurance Agency – migration of the system to the newest version of Oracle Application Development Framework; system security audit; maintenance (Latvia) |
| **Technologies:** | Java 6, Oracle ADF 11g, Weblogic 11g, JDeveloper 11g, Perl |
| **Responsibilities:** | Establishment of migration process, development of migration tools, code verification against XSS and SQL Injection threats, automated code verification tool development, maintenance development tasks |

|  |  |
| --- | --- |
| **Company / duration:** | SWH Sets, August 2010 – October 2011 |
| **Position:** | Consultant |
| **Project:** | Extenda Retail - design and development of new functionality for POS terminal and back-office system for Extenda (Sweden) |
| **Technologies:** | Java SE 6, Spring, Web Services, JAXB |
| **Responsibilities:** | Design and development of framework for external card terminal adapters and specific adapter implementations. |

|  |  |
| --- | --- |
| **Company / duration:** | University of Latvia, Institute of Mathematics and Computer Science, February 2006 – December 2010 |
| **Position:** | Researcher, Lead Architect, Lead Developer |
| **Project:** | Development of new generation modeling tool-building platform METAclipse |
| **Technologies:** | Eclipse plugin development, Java, C++, MOLA transformation language, UML |
| **Responsibilities:** | Development of concepts and architecture, as well as implementation of new generation Eclipse and model transformations-based modeling tool-building platform in scope of EU funded research project |

|  |  |
| --- | --- |
| **Company / duration:** | Exigen Services Latvia, January 2010 – August 2010 |
| **Position:** | Lead System Architect / Lead Developer |
| **Project:** | ROCS2010 - creation of the agent trading business supporting application for Deutsche Bank (Germany) |
| **Technologies:** | Spring 3 (MVC, Security, Core), Ajax, GWT 2, SmartGWT 2.1, JEE 5, EJB 3, JMS, Drools 5, JPA 2, Hibernate 3, Oracle 11g, PL/SQL, WebLogic 10.3, Tomcat 6 |
| **Responsibilities:** | Participate in the architecture definition. Participate in on-site and off-shore development: developing various solutions for the new application. |

|  |  |
| --- | --- |
| **Company / duration:** | Exigen Services Latvia, March 2009 - December 2009 |
| **Position:** | DB group lead (7 people) |
| **Project:** | SRP (Shared Royalty Platform) - project for Universal Music Group (USA) |
| **Technologies:** | Oracle 10g, Business Objects XI, PL/SQL, Perl, Shell |
| **Responsibilities:** | Various database development tasks. Main focus on performance tuning. |

|  |  |
| --- | --- |
| **Company / duration:** | Exigen Services Latvia, September 2008 - February 2009 |
| **Position:** | Lead System Architect / Lead Developer |
| **Project:** | RI3K - billing application for insurance service provider company RI3K (Great Britain) |
| **Technologies:** | JEE 5, JSP, Spring 3 (Batch, MVC, Security, Core), Jasper Reports, Eclipse, Tomcat 6, JavaScript, CSS, Oracle 10g, PL/SQL, Hibernate 3 |
| **Responsibilities:** | Participated in the development of architecture and lead the development. |

|  |  |
| --- | --- |
| **Company / duration:** | Exigen Services Latvia, December 2007 - August 2008 |
| **Position:** | Lead System Architect |
| **Project:** | SCORE - financial document identifier assignment system for Standard&Poors (USA) |
| **Technologies:** | JEE 4, Spring 3 (Security, MVC, Core), Hibernate 3, JSP, AJAX, Oracle 10g, Oracle Identity Management |
| **Responsibilities:** | Establishment of the base architecture, Consulting |

|  |  |
| --- | --- |
| **Company / duration:** | Exigen Services Latvia, May 2007 - March 2008 |
| **Position:** | Lead System Architect / Lead Developer |
| **Project:** | Refactoring of legacy tax calculation reporting application (Switzerland) |
| **Technologies:** | J2EE, JSP, JSF, Hibernate, EJB2, Websphere, Eclipse, JavaScript, Oracle 10g |
| **Responsibilities:** | Development of new application under new architecture and addition of new functionality. Establishment of system architecture, support in development |

|  |  |
| --- | --- |
| **Company / duration:** | JSC DATI, September 2006 - April 2007 |
| **Position:** | Lead System Architect / Lead Developer |
| **Project:** | Internal Investment Project (Latvia) |
| **Technologies:** | Java, Struts, Hibernate, Oracle, SQL, JBoss, EJB, Eclipse, JSP, HTML, JavaScript, CSS, Tiles |
| **Responsibilities:** | Development of architecture and implementation of program source analysis and documentation tool SAViT |

|  |  |
| --- | --- |
| **Company / duration:** | JSC DATI, November 2006 - March 2007 |
| **Position:** | Senior System Analyst / Lead Developer |
| **Project:** | SRP (Shared Royalty Platform) - project for Universal Music Group (USA) |
| **Technologies:** | Oracle 10g, PL/SQL, Word, Excel |
| **Responsibilities:** | Various database development tasks related to the DB design and stored procedure design and implementation. |

|  |  |
| --- | --- |
| **Company / duration:** | JSC DATI, September 2006 - February 2007 |
| **Position:** | Senior System Architect |
| **Project:** | Mik21 - Migration of legacy credit issuing management application to new architecture for company Finanz IT (Germany) |
| **Technologies:** | Java, Himalaya, XML, UML, Eclipse, Hibernate, Oracle 9i |
| **Responsibilities:** | Analysis of existing environment, proposal for new architecture |

|  |  |
| --- | --- |
| **Company / duration:** | JSC DATI, July 2006 - October 2006 |
| **Position:** | Senior System Architect |
| **Project:** | Refactoring of legacy bill of exchange application - development on new application under new architecture for PostBank (Germany). |
| **Technologies:** | Java J2EE, JSP, Servlet, Struts, Hibernate, EJB, BEA WebLogic, Eclipse, JavaScript, CSS, Oracle 9i |
| **Responsibilities:** | Establishment of system architecture, support in development |

|  |  |
| --- | --- |
| **Company / duration:** | JSC DATI, August 2004 - September 2006 |
| **Position:** | Senior System Analyst/Developer |
| **Project:** | SRP (Shared Royalty Platform) - project for Universal Music Group (USA) |
| **Technologies:** | Oracle, PL/SQL, Word, Excel |
| **Responsibilities:** | Data migration design and development of data migration tools in SRP |

|  |  |
| --- | --- |
| **Company / duration:** | JSC DATI, February 2005 - November 2005 |
| **Position:** | Architect, Senior System Analyst/Developer |
| **Project:** | Company's UniCRIS project for design and development of science information portal used by universities and individual researchers (Switzerland) |
| **Technologies:** | Java, Struts, Redhat Linux, XML, Hibernate, Oracle, SQL, Tomcat, Eclipse, Quartz, JSP, HTML, CSS, Tiles |
| **Responsibilities:** | Architecture, analysis and development |

|  |  |
| --- | --- |
| **Company / duration:** | JSC DATI, May 2004 - July 2004 |
| **Position:** | Architect |
| **Project:** | Practical use of ontologies in development of universal XML model transformation tool (Sweden) |
| **Technologies:** | XML, XSL, XQuery, OWL, DAML+OIL, Protégé |
| **Responsibilities:** | Feasibility research |

|  |  |
| --- | --- |
| **Company / duration:** | JSC DATI, January 2004 - April 2004 |
| **Position:** | Project Leader (6 people) |
| **Project:** | Insurance company's AXA migration project from VSE to MVS (Germany) |
| **Technologies:** | VSE, OS/X, COBOL, CICS, Report Writer, Perl |
| **Responsibilities:** | Project leading |

|  |  |
| --- | --- |
| **Company / duration:** | JSC DATI, April 2003 - January 2004 |
| **Position:** | Project Leader (5 people), Architect |
| **Project:** | Joint stock company's RIIKA WOOD Ltd. project - full development cycle of timber marketing accounting system (Finland / Latvia). |
| **Technologies:** | Java, JSP, Struts, Firebird, VSS |
| **Responsibilities:** | System architecture, system analysis |

|  |  |
| --- | --- |
| **Company / duration:** | JSC DATI, May 2002 - March 2003 |
| **Position:** | Senior System Analyst/Developer |
| **Project:** | Insurance company's Hamburg Mannheimer letter migration project from TP60 to CTV (Germany) |
| **Technologies:** | OS/390, CTV, TP60, Perl |
| **Responsibilities:** | Analysis and development |

|  |  |
| --- | --- |
| **Company / duration:** | JSC DATI, February 2002 - May 2002 |
| **Position:** | Senior System Analyst/Developer |
| **Project:** | Company’s Wiese+Partner project - program text output verification and patch creation/usage tool on OS/390 (Germany) |
| **Technologies:** | OS/390, Windows, REXX, CVS, C++ |
| **Responsibilities:** | Analysis and development |

|  |  |
| --- | --- |
| **Company / duration:** | JSC DATI, November 2001 - April 2002 |
| **Position:** | Senior System Analyst/Developer, Architect |
| **Project:** | Company's Anite PS project - development of prototype for integration of various systems into united Web portal (Great Britain). |
| **Technologies:** | UNIX, XML, Java, EJB, JSP, Struts, Interbase, MS SQL |
| **Responsibilities:** | Architecture and development |

|  |  |
| --- | --- |
| **Company / duration:** | JSC DATI, June 2001 - February 2002 |
| **Position:** | Senior Developer |
| **Project:** | Insurance company's AXA migration project from JSP to COBOL (Germany) |
| **Technologies:** | OS/390, Windows, Java, COBOL, Jacson Structured Programming |
| **Responsibilities:** | Involved in design and development of automated migration tools. |

|  |  |
| --- | --- |
| **Company / duration:** | JSC DATI, May 2001 - July 2001 |
| **Position:** | Senior Developer |
| **Project:** | Company's MobilCom call registration and billing system (Germany) |
| **Technologies:** | UNIX, Perl, Shell, Informix |
| **Responsibilities:** | Miscellaneous development tasks |

|  |  |
| --- | --- |
| **Company / duration:** | JSC DATI, February 2001 - April 2001 |
| **Position:** | Senior System Analyst/Developer |
| **Project:** | Company's KID project - development of software traceability tool with Web interface for Boeing software testing (Germany). |
| **Technologies:** | UNIX, Perl, HTML, JavaScript, MySQL |
| **Responsibilities:** | Architecture, analysis and development |

|  |  |
| --- | --- |
| **Company / duration:** | JSC DATI, December 2000 - February 2001 |
| **Position:** | Senior System Analyst/Developer |
| **Project:** | Company's MobilCom project - development of prototype for integrating legacy systems in multi-tier architecture (Germany). |
| **Technologies:** | UNIX, Java, EJB, XML |
| **Responsibilities:** | Architecture, analysis and development |

|  |  |
| --- | --- |
| **Company / duration:** | JSC DATI, June 2000 - September 2000 |
| **Position:** | Developer |
| **Project:** | Company's TeleBill project - customer service system (Germany) |
| **Technologies:** | Windows NT, Delphi 5.0, Oracle 8.0 |
| **Responsibilities:** | Development |

|  |  |
| --- | --- |
| **Company / duration:** | JSC DATI, November 1998 - December 1998 |
| **Position:** | System Analyst |
| **Project:** | The Treasury of Latvia |
| **Technologies:** | Windows, MS Word, Oracle |
| **Responsibilities:** | System analysis, development of SRS and SRD |

|  |  |
| --- | --- |
| **Company / duration:** | JSC DATI, September 1998 - December 2002 |
| **Position:** | Developer |
| **Project:** | Miscellaneous projects for insurance company HELVETIA (Germany) |
| **Technologies:** | OS/390, SQL, IMS, DL/1, DB 2, TSO, CICS, COBOL |
| **Responsibilities:** | Development |

**Recommendations**











