Pavel V. Fomin

Lead Enterprise Developer

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Profile

- Over 20 years of software design and development experience in diverse industry environment
- Strong expertise in Java and JEE architecture with multiple Application and Web servers
- Solid RDBMS background

Skills Summary

Operating Systems	Linux (Mint, Redhat, SUSE), Unix (Solaris, AIX, SCO), MS Windows
Languages	Java 1.1-1.7, XML, WSDL, SQL, UML, Groovy, Bash, Perl, HTML, JavaScript, CSS
Frameworks	**JSE/JEE:** JDBC, JAX-WS, Web Services, JMS, JMX, EJB 3, JSP, JSTL, JSF, Servlets, Portlets, Applets **Spring:** Spring Core 2.x/3.x/4.x, MVC, JDBC Template, Security, Web Services, Rest Template, AMQP, Spring Data, Spring Data Solr **Web:** Spring MVC, Grails, SiteMesh, Freemarker, Velocity, Struts 1.x, Wicket 1.2, Apache HttpClient, jQuery, JSON **Mobile:** Android **XML:** SOAP, JAXB 2.x, Apache WSS4J, Axis 1.4, Castor 0.9/1.2, JDOM **ORM:** Hibernate 3.0, Gorm **Caching:** Ehcache 2, Memcached 2 **Logging:** SLF4J, Log4j, Apache Commons Logging, Java Logging API **Testing:** JUnit, DbUnit, Mockito, EasyMock, Emma, Cobertura, Spock
Databases	Oracle 7/8/9/10g/11g, MySQL, MS SQL Server, Sybase, MongoDB
Application Servers	Tomcat 3/4/5/6/7, Liferay Portal Server 6.2, IBM Websphere Application Server 4/5/6/7, IBM Websphere Portal Server 6.1, OAS 10g, Resin, BEA Weblogic 4.5.1/5.1/6.1, Borland Inprise Application Server 4.x, JBoss, Apache Web Server, Oracle Web Server 2.1.1
Tools	**IDE:** Eclipse, RAD, WSAD, JBuilder, Emacs **Modeling:** ObjectAid Eclipse Plugin, Together Control/Architect, OptimalJ, Telelogic Tau UML, Rational Rose Designer, Visio Diagram Designer, Sybase Power Designer 6.1, Oracle Designer **Messaging:** RabbitMQ, 2lemetry, IBM MQ **Monitor/Profile:** VisualVM, DynaTrace, Optimizeit **Build:** Maven, Ivy, Ant, GNU Make **Continuous integration:** Jenkins, Hudson, Bamboo **VM / Cloud:** Vagrant, Puppet, Oracle VirtualBox, Amazon EC2 **Browsers:** Chrome, Firefox, MS IE **Revision Control:** Git, SVN, CVS, MKS, PVCS, RCS, Visual SourceSafe 5.0/6.0 (VSS) **Bug Tracking:** Jira, Redmine, Bugzilla **Code Review:** GitHub, Crucible, CodeCollaborator **Agile Project Management:** Jira GreenHopper, Version One, Rally, XPlanner **Wiki:** Atlassian Confluence, DokuWiki **Testing:** SoapUI
Methodologies	Agile, SCRUM, Test Driven Development, OOAD, RUP
Industries	Medical supplies, Education, Finance, Banking, E-commerce, Healthcare, Medical

Work History

Solution Design Group, Professional Services
Senior Consultant   10/2014 - Present

McKesson Medical-Surgical, Web Development
Environment: Liferay 6.2 EE, Tomcat 7.x, Oracle 11g, Nutch, Windows 7, Linux
    Tools: JDK 1.7, Spring 4.0, Solr, JSP, Freemarker, jQuery, Sass, Bourbon with Bitters and Neat, Maven, Eclipse (Luna), Emacs, CVS, Git, Jenkins, Jira

Implemented new public web site for McKesson using Liferay 6.2 EE Portal server enabling the content authors to publish changes without the application code deployment. Created several Liferay portal plugins to customize the Liferay implementation for the client. Setup the clustered site search using separate Solr server and Liferay Solr plugin. Created custom page level search implementations, first extending Liferay search infrastructure and, second using Apache Solr and Nutch directly. Created build and deployment process for the custom Liferay plugins using Jenkins and Maven. Provisioned the development and production servers with Liferay, Solr and Nutch installations.

Data Recognition Corporation, Information Services
Senior Software Developer   10/2013 - 10/2014

Environment: JEE, Tomcat 7.x, MongoDB, MySQL, MS Sql Server, OpenAM, Linux, Windows 7, Amazon EC2
    Tools: JDK 1.7, Spring 3.x, SiteMesh, Groovy, Grails, Node.js, jQuery, Junit, Spock, Eclipse, Emacs, Git, GitHub, Maven, Jenkins, Vagrant, Oracle VirtualBox, Puppet, Jira

Developed new and modified existing components of the IAT, the school test creation and administration tool. Created successful OpenAM POC to implement SSO functionality across different applications using a J2EE agent and a Post Authentication Plug to inject custom roles and permissions into the JEE user principal. Developed new components of Text To Speech implementation using Node.js. Created build and deployment process for the Java, Grails and Nodejs projects using Jenkins and RPM packaging.

Object Partners, Professional Services
Senior Consultant   12/2011 - 10/2013

Menards, Web Development
Environment: JEE, Tomcat 7.x (tcServer), MySQL, Windows 7, Linux
    Tools: JDK 1.6, Spring 3.1, JDBC, JSP, Velocity, jQuery, Maven, Log4j, JUnit, Mockito 1.9, Hibernate 3.6, Eclipse (Indigo), Emacs, SVN, Jenkins, Redmine, CodeCollaborator

Added new features to the Menards e-commerce web site and internal web site administration tool.

PeopleNet, Backend Services
Environment: JEE, Tomcat 7.x, MySQL, MS Sql Server, Linux, Windows 7, Amazon EC2
    Tools: JDK 1.6, Spring 3.1, Log4j, JUnit, Mockito 1.9, RabbitMQ, 2lemetry, Eclipse (Indigo), Emacs, SVN, Maven, Jenkins, Version One

Developed new and modified existing components of the asynchronous back-end services. Created RabbitMQ AMQP based guaranteed message delivery queuing Proof-of-Concept solution, deployed to local data center and to Amazon EC2 environment. Created facade for 2lemetry m2m rest api. Created new components for the custom load test engine to perform the load testing of the new services.

Room and Board, Web Development
Environment: JEE, Tomcat 7.x, Oracle 11, Windows 7, Linux
    Tools: JDK 1.6, Spring 3.1, JDBC, JSP, SiteMesh, Freemarker 2.3, jQuery, Memcache, Ivy, Log4j, JUnit, Mockito 1.9, DbUnit 2.4, Groovy, OpenORM, Eclipse (Indigo), Emacs, SVN, Bamboo, Crucible, Jira

Developed new and modified existing components of the web site and internal web site administration tool. Focused primarily on the controller and backend services. Helped to design and implement the data versioning feature in the database schema. Created new and enhanced existing components of the UI layer using HTML, JSP, Freemarker, JavaScript and jQuery.

MoneyGram International, Systems Development
Lead Developer (Software Engineer IV)   10/2007 - 12/2011

 Environment: JEE, Websphere Application Server 7.x/6.x/5.x, Tomcat 4.x/6.x, Websphere Portal 6.1, Oracle, IBM MQ, Windows XP, Linux
   Tools: JDK 1.4/1.5/1.6, Spring (MVC), JSP, JSF, Portlet, Servlet, Ajax, jQuery, Wicket 1.2, Struts, JAX-WS, Axis 1.4, Ehcache 2, JDBC, XML, Ant, Log4j, JUnit, WSS4J, Castor 0.9/1.2, SoapUI, Eclipse, RAD 6/7/8, Emacs, CVS, Git, UML, Hudson, DokuWiki, Rally, XPlanner

Led the design and development of the JAX-WS based web services layer for the new Web Point of Entry system (Web POE). Created two prototypes of the new web site using JSF 2 and Spring MVC 3 frameworks. The Spring MVC based prototype became the foundation for the Web POE. Created the device authentication component using the signed java applet technology to enhance the security of the Web POE site. Demonstrated the Eclipse and Tomcat servlet container efficiency for the web development while supporting the deployment of the same code base on Websphere application server.

HSBC (former Metris Companies), Enterprise Application Management
Lead J2EE Developer (Senior Consultant, Business Systems)   07/2004 - 10/2007

 Environment: J2EE, OAS 10g Portal, Websphere 6.x/5.x, Resin 2.x, Tomcat 4.x, Apache 1.3, Oracle 10g, IBM MQ, Windows XP, Linux (RedHat), AIX
   Tools: JDK 1.4, JSP, Servlet, Struts 1.1, Spring 2.0, Hibernate 3.0, JDBC, XML, XSLT, Ant 1.6, Maven, Log4j, JUnit, Eclipse, RAD, Emacs, CVS, PVCS, MKS, Together Architect, MS Visio, UML, Optimizeit Enterprise Suite (Profiler), Bugzilla

Led the design and development effort to bring aboard a number of the business partners critical for the credit card accounts acquisition business. Created new and redesigned existing web based applications in the Internet and Intranet portal environment. Created fully automated application release and deployment management process based on Ant's templated approach and CVS. Led a number of migrations of the Internet environment from the web applications side.

Compuware Corporation, Professional Services
Senior Java Developer, Full Time Consultant   07/2001 - 07/2004

HealthPartners, Center of Health Promotion
 Environment: J2EE, Bea Weblogic 6.1, Tomcat 4.27, Oracle 8.1.7, MySQL 4, MS SQL Server, Windows 2000, AIX
   Tools: JDK 1.3/1.4, JSP, Servlet, Struts 1.1, JDBC, XML, XSLT, JDOM, Ant, Log4j, Eclipse, Emacs, CVS, MS Visio, UML

Redesigned old web based Health Assessment application to make it more flexible, data driven. New application had been deployed under Weblogic application server and used Oracle database as the data source. Later HA application had been refactored to work under HealthPartners custom portal environment. Also created a new web based application to collect and process data for the Weight Management Preferred Provider Program. Application had been deployed under Tomcat application server and used MySQL and MS SQL server database as the data source. Both applications were created using Struts framework.

Compuware Product Division, Software Product Development
 Environment: Windows 2000, z/OS
   Tools: JDK 1.4, UML, XML, JDOM, Log4j, Swing, Ant, Eclipse, Emacs, CVS, Visio

Created a generic communication driver to send data between Java client and Mainframe server. This driver, written in Java, was designed to be used by multiple software products for the client-

server communication. The data was sent and received via TCP/IP in XML format and Apache's Xerces was used for XML processing. Created the graphical request/response processing tool based on Java Swing and JDOM.

Target Corporation, E-Commerce Retail Financials
Environment: J2EE, IBM Websphere 4.02, Tomcat 3.2, Oracle 8.1.7, Solaris/NT
    Tools: JDK 1.2.2/1.3, JSP, JDBC, XML, XSLT, Formula One for Java (F1J 9), Struts, Ant, WSAD, Emacs, JBuilder, Telelogic Tau UML, Visio, PVCS

Designed and developed an extendible framework for the intranet-based data retrieval system in the J2EE architecture environment on the SUN Solaris and Windows NT platforms. The main goal of the framework was to provide a consistent way of presenting e-commerce financial information on the intranet in different formats such as HTML, Excel as well as graphics.

Comsys (former Cotelligent Inc.), Professional Services
Senior Software Engineer / Systems Analyst, Full Time Consultant   11/1998 - 05/2001

Innuity, Inc, E-Commerce
Environment: J2EE, Borland Inprise Application Server, Oracle 8i, Solaris/NT
    Tools: JDK 1.2, EJB 1.1, JSP, JDBC, XML, UML, Rational Rose, TogetherJ, JBuilder, Emacs, SourceSafe, GNU Make, MySQL, Bugzilla, Perl

Designed and developed Enterprise Java Beans in the J2EE multi-tier architecture environment on the SUN Solaris and Windows NT platforms for the new web site builder tool. This new application provided a web based user interface for the clients to make changes to their web sites.

Thomson Prometric, Education and Certification
Environment: J2EE, Bea Weblogic Application Server, Sybase 11.9.2, Solaris/NT
    Tools: JDK 1.2, EJB 1.1, JSP, JConnect JDBC, Swing, UML, Rational Rose, Visio Diagram Designer, Sybase Power Designer 6.1, JBuilder, Emacs, SourceSafe, GNU Make, MySQL, Bugzilla, Perl

Designed and developed Enterprise Java Beans in the J2EE multi-tier architecture environment on the SUN Solaris and Windows NT platforms for new Prometric Unified Financial Module. This module was the server side business logic package that provided all the financial services for the international corporate use by any J2EE complaint services or applications.

Medtronic, Medical Devices
Environment: Apache 1.3.6 WEB Server, Oracle 7, UNIX AIX/NT
    Tools: C/PRO*C, Perl, Unix RCS

Created a number of data transfer processes under UNIX AIX 4.*, Oracle environment. Created new and modified existing C/PRO*C code, KSH scripts, SQL*PLUS scripts, SQL and PL/SQL code, SQL*LOADER control files to meet new requirements. Created generic Perl CGI programs to replace old application interfaces with WEB based ones. Responsible for the Revision Control System (Unix RCS) administration.

University of Minnesota Facilities Management, Education
Environment: Oracle WEB 2.1.1, Oracle 7/8, Unix AIX 4.3/NT
    Tools: JDK 1.1.7, JDBC, SQL, PL/SQL, Emacs, SourceSafe

Responsible for applications software development and optimization in Unix AIX 4.3, Windows 95/NT, Oracle 7.3.3/8.0.3 environment. Created Java applets with Oracle JDBC "thin" driver to provide access to the Oracle database via WEB. Developed a number of data transfers using PL/SQL, SQLPLUS scripting, UNIX KSH scripting and ODBC. Improved HTML documents by adding some JavaScript code for MS IExplorer 4.x and Netscape Navigator 4.x.

Siemens, Energy Management and Information Software
Software Engineer / Systems Analyst   07/1997 - 10/1998

    Environment: Oracle 7, UNIX AIX/Solaris, NT
    Tools: C, C++, PRO*C, SQL, PL/SQL, Perl, RCS

Responsible for database design, development, tuning and optimization for Spectrum, an Energy Management and Information System in UNIX AIX, SUN Solaris, Windows NT, Oracle, C/C++

environment. Served as C and Oracle expert for several large-scale projects.

[Center Of Financial Technologies](#), Financial Software
Lead Software Developer   03/1993 - 07/1997

Environment: Oracle 7, Btrieve, Windows 95, Unix Solaris/SCO
Tools: VB 4.0/5.0, VC++ 2.0, OCI, SQL, PL/SQL, Java 1.0/1.1, SourceSafe

Responsible for technical and team leadership in design, development and deployment of large scale financial applications for banking industry. Major projects included Integrated Bank System and Smart Credit/Debit Card Payment System, "Golden Grown" distributed to over 150 banks nation wide.

[Interface Inc.](#), Application Software
Software Engineer   09/1992 - 03/1993

Environment: DOS, Novell
Tools: C, FoxPro, dBase

Designed, developed, deployed and supported automated auctions maintenance system for Energy Management Equipment Stock Exchange.

Education

[Novosibirsk Technical University, Novosibirsk, Russia](#)
M.S. in Computer Science and B.S. in Mathematics, 1992
Evaluated by International Education Evaluation, Inc. (March 10, 1997. REF # 116-0369)

[Oracle University](#)
Oracle Application Server Administration course, 2005

[Red Hat, Inc.](#)
RH033 - Red Hat Linux Essentials, Red Hat Enterprise Linux 4 course, 2005

[Red Hat, Inc.](#)
RH133 - System Administration, Red Hat Enterprise Linux 4 course, 2005
Successfully completed all Red Hat Certified Technician program requirements and is certified as a Red Hat Certified Technician, Red Hat Enterprise Linux 4.

[The George Washington University School of Business](#)
Managing IT Projects course, 2006

[The George Washington University School of Business](#)
IT Risk Management course, 2007

[Object Partners](#)
Groovy and Grails, 2012