Steven Shaw

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Summary

Senior Developer with more than a decade specialising in the Java platform.

- Application architecture, frameworks and design patterns.
- Database design and programming.
- Distributed computing and network programming.
- Programming languages and emerging technologies.

Selected Technical Skills

- Java SE, Java EE, Spring, Hibernate, EJB, JPA, Servlets, JSF, JSP, JUnit.
- IntelliJ, Eclipse, NetBeans, Ant, Maven, Hudson/Jenkins, Cruise Control.
- JavaScript, HTML, jQuery, CSS, XML.
- Scala, Haskell, Ruby, Groovy, Python, Perl, Shell, C, C++, C#.
- GlassFish, Jetty, Tomcat, WebLogic, OC4J.
- Oracle, MySQL, PostreSQL, Sybase.
- Mac OS X, Linux, Sun Solaris, HP UX, IBM AIX, Microsoft Windows.
- XP, Scrum, TDD.
- Subversion, Git, Mercurial, Jira, Redmine.

Highlights

- While working for JP Morgan Chase, was a developer on Apache Qpid - an AMQP messaging broker implementing the JMS API. Solved gnarly race condition in the message dispatch code. Released the first .NET AMQP implementation and ported to Mono.
- As Lead Developer of T-Mobile's Strategic Partner Interface (a B2B application connecting T-Mobile's network to resellers), reduced lines of code by 30% whilst also delivering new features. Streamlined architecture and code to prepare for greater traffic. Solved timing bug unveiled by load testing.
- As hands-on Technical Lead, successfully exposed application functionality as JSR-168 portlets on Vignette Application Portal v7. Despite the fact that no team member had prior experience with VAP, we delivered an early release after 6 weeks and the final release within the required 3 months.
- Led team of 3 to successfully integrate a proprietary scripting language interpreter into ADC's CRM system, allowing unprecedented customisation by implementation consultants.
- Enhanced a real time rating engine to access critical customer information including customer hierarchies. This allowed real time account management with the use of customer specific tariffs such as frequently called numbers.
- Enhanced job scheduler component, allowing it to schedule jobs across a cluster.

Professional Experience

Code Fu

Jun 2009 - Present

Consulting company and startup venture.

Cube Fu

Lead Programmer, **Sep 2010 - Present**

Startup venture porting the Cube game to mobile (iOS) and web (WebGL). Programming language design for games development.

C, C++, JavaScript, WebGL, Objective-C, Haskell, iOS, Mac OS X, Linux.

TNS

Team Lead, **Jun 2010 - Aug 2010**

Analysis, design, and project planning/estimation to bring a new provider online into existing credit card processing service.

Java 6, Ant, Maven, IntelliJ, Eclipse, Tomcat, Servlets, JSP, HTTP, HTTPS.

Guvera

Senior Developer, **Sep 2009 - Apr 2010**

Guvera is a startup in the digital media space.

- Implemented full text search.
- Integrated with Content Data Network for media download.
- Mentoring and technical leadership.
- Regular point of contact for test & support teams.
- Production deployment and monitoring.

Java, JDK6, Scala, JavaScript, jQuery, Spring, Spring WebFlow, JSF, Primefaces, EJB, JPA, Hibernate, Jetty, GlassFish, IntelliJ, NetBeans, Maven, Nexus, Hudson, MySQL, Ruby, Shell, Mac OS X, Linux.

Top Gun Consulting

Oct 2007 - May 2009

Consulting company.

Suncorp

Senior Developer, **Nov 2008 - Feb 2009**

Developed integration service framework (ETL/EAI) similar in many respects to Apache Camel (this was later open sourced as Donkey). This framework was built on top of a dependency injection framework similar to Google Guice. This tool was used to build integration services between a vendor product (a treasury system called Kondor from Reuters Thompson) and other Suncorp applications. The main integration techniques were file drops and polling, distributed messaging via Tibco RV and direct database manipulation via JDBC.

Java, JDK6, IntelliJ, Tibco RV, Kondor, Agile/XP/Scrum, Pair programming, TDD, 100% test coverage.

Suncorp

Application Architect, **Jun 2008 – Aug 2008**

Provided architectural guidance for building Suncorp's insurance claims application across multiple lines of business and brands. Developed prototype during a number of architectural spikes. Defined the application architecture along with supporting material including development standards and educational website.

Java, JDK5, Guidewire, GScript (now Gosu), Jetty, Tomcat, Scrum.

Department of Natural Resources and Water

Senior Developer, **Nov 2007 – Jan 2008**

The department is replacing their ageing billing system for land tenures. Developed prototype for phase 2 based on the chosen technologies. Worked out of way of getting hot deploy to work with the architecture using Jetty for more productive development. Prototyped a mechanism to dynamically build JSF forms based on metaprogramming. Investigated static analysis tools and enhanced the tool suite used. Upgraded Hudson and configured to show trend graphs.

Java, JDK6, Tomcat, Jetty, Spring Framework 2.0, Hibernate 3, EJB3, JPA, JSF, Facelets, RichFaces/Ajax4JSF, Seam, Ingres, Hudson, Ant, Maven, CVS, PMD, FindBugs, CheckStyle.

Noble Technology (UK)

Jun 2005 - Oct 2007

UK-based consulting company.

Experian Payments (formerly Eiger Systems)

Senior Developer, **Feb 2007 – Jul 2007**

Developer on EigerPay Gateway version 2.0, a payments gateway connecting to VOCA's new ETS WebService and implementing a drop-in HST solution. Implemented configuration UI and services for data retrieval and distribution. Assisted port to IBM zSeries (S/390). Implemented redirect-after-post on top of Spring MVC, upgraded Spring configuration to make use of the new Spring 2.0 namespaces, enhanced beans via Spring AOP to fire property change events, translated Spring DAO exceptions at the service layer boundary to application exceptions via Spring AOP.

Java, Spring Framework 2.0, Spring MVC, Velocity, HTML, CSS, JavaScript, Hibernate 3, Jetty 6, Tomcat, OC4J, PostgreSQL, Eclipse.

JP Morgan Chase

Senior Developer, **Jul 2006 – Dec 2006**

Working in the IB Tech, Equities Research and Architecture division as a developer on the Apache Qpid project - an open source implementation of the Advanced Message Queue Protocol (AMQP). The project provides a broker implemented in Java and C++ and clients implemented in Java, C#, C++, Ruby and Python. I improved and maintained the Java broker and clients in both Java and C#.

Java, Generics, Multithreading/Concurrency, Java, JDK5, JDK6, .NET 2.0, C#, IntelliJ, Microsoft Visual Studio 2005, JetBrains ReSharper, Windows, Mono, Linux.

T-Mobile

Lead Developer, **Jul 2005 - Jul 2006**

Improving, streamlining and maintaining the Strategic Partner Interface which provides online and batch interfaces to third parties such as Virgin Mobile and BT.

Java, WebLogic Platform 8.1, Eclipse, Spring, Swing, Tuxedo 8.1, C/C++, Oracle, Sun Solaris, Linux.

Top Gun Consulting

Jun 2003 - Jun 2005

Consulting company.

Optus

Senior Programmer (J2EE), Jan 2004 - Jun 2005

Member of a team developing a Service Management System - a custom CRM system - using the Feature Driven Development software process.

- Mentored new developers.
- Built auditing and logging subsystem leveraging Aspect/J.
- Set up development and system test environments and ensured that the application to deployed successfully in those environments.

WebLogic, JBuilder, Eclipse, Hibernate, Web Services, EJB, Macromedia Flex (now Adobe Flex), Sybase, Linux, HP-UX.

Transtoll (formerly Transcore)

Senior Developer, Jul 2003 - Oct 2003

This toll management system was a custom built application server heavy with multithreading/concurrency, and networking code (both TCP/IP streams and UDP/IP datagrams). Application server framework based on custom services framework utilising Doug Lea's concurrency utils which became the foundation for java.util.concurrent in Java 5.

- Greatly improved productivity by re-enabling the unit testing system which had falled into disrepair.
- Through a number of refactorings was able to remove almost 1000 lines of redundant code.
- Diagnosed and fixed a critical issue caused by a race condition which allowed messages to be processed out of order.

Java, JDBC, RMI, TCP, Oracle 9i, PL/SQL

Intec Billing (formerly ADC)

Senior Technical Software Developer, **Jan 1999 - Apr 2003**

R&D on CRM and billing products primarily for the mobile telecommunications industry.

Java, Tomcat, WebLogic, Apache HTTPD, JPython/Jython, JNI, Servlets, JSP, C, C++, BEA Tuxedo, Oracle, Perl, Python, Shell.

Education

Master of Information Technology – 2004, Queensland University of Technology, GPA 6.0

Bachelor of Applied Science (Computing) - 1992, Queensland University of Technology, GPA 5.173

Professional Development

Functional Programming in Commercial Development	Tony Morris, YOW!	2012
Escape from the ivory tower: the Haskell journey, from 1990 to 2011	Simon Peyton Jones, YOW!	2011
50 in 50	Guy Steele, YOW!	2010
JAOO Brisbane (2 days)	Trifork	2009
Introduction to Scala (3 days)	Working Mouse	2008
Certified Scrum Master (2 days)	Scrum.dk	2008
The Server Side Java Symposium Barcelona (3 days)	The Server Side	2007
Spring One (2 days)	Interface21	2006
Dynamic Languages Day	Vrije Universiteit Brussel	2006
XP Day (2 days)	XP Day Organisation	2005
BEA WebLogic Platform 8.1 (1 day)	BEA	2004
Professional Presentations (2 days)	AIM	2002
BEA Tuxedo (5 days)	BEA	2002
Implementing Java Security and Java eCommerce Applications (3 days)	ASERT	2000
Leadership and Teams (4 half days)	ADC	2000
Object Oriented Analysis and Design with UML (5 days)	Software Education	2000
JavaSpaces (seminar)	Netstorm	2000
Java Thread Programming - Tips and Traps (seminar)	ADC	2000
Developing CORBA Services Using Java (seminar)	DSTC	1999
Advanced Java - Threads, RMI/CORBA, JFC/Swing, Servlets (3 days)	ASERT	1999
People Issues in Software Process Improvement	Software Engineering Australia	1999
WebLogic and Enterprise Java Beans (½ day)	Adaptec Technologies	1999
Design Patterns for Distributed Objects (seminar)	AJUG	1999
Object Mentor (½ day)	Object Consulting	1999