

Adam Shackelford

Contact

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Summary

- **Object-Oriented** Analysis and Design
- **Web Application** development (**Ruby on Rails, J2EE, JavaScript, CSS, jQuery, HAML, SASS, Compass**)
- **Java, EJB, Swing, UI Design, Smalltalk**
- **Agile** (XP, Scrum)
- **EJB 3** and **Java Certified** (Sun Microsystems)
- **Certified ScrumMaster** (Scrum Alliance CSM)

Experience

2009–Present • GPAS Mobility • Baltimore, MD

Lead Designer/Developer

- Built server-side support in **Ruby on Rails** for realtime **iPhone** application.
- Developed Ruby on Rails configuration/management front end.
- Deployed Ruby on Rails application to production (Linux/**Phusion Passenger**).

2008–2009 • TSA • Baltimore, MD

Consultant

- Designed and built **functional testing framework** for automated web- and back-end tests (Java, enhanced-**JUnit, Selenium**).
- **Wrote functional tests** for large Java web application.
- Integrated functional tests with **Hobbit (Big Brother)** system management framework.
- Enhanced Java Web application (**Struts, Spring**).

2004–2006 • Fannie Mae • Washington, D.C.

Consultant

- Analyzed, designed, and implemented Java tool for data mapping, conversion, and validation.
- **Hibernate, Java WebStart, Swing** UI programming and **UI Design, JUnit** unit tests.

2000–2007 • Loophole Software LLC • Catonsville, MD

Lead Designer/Developer

- Object-oriented **analysis, design**, and **Java** implementation of the Loophole™ Internet access product.

- J2EE **Servlets** and **JSP's** supporting e-commerce and product runtime.
- **Swing UI** programming and **UI Design**.
- 500+ JUnit **unit tests**. JUnit extensions for **EJB** testing.
- Network **client and server** development (sockets, multithreading, serialization, HTTP, Socks).
- **Java Cryptography Extension** (JCE), Blowfish encryption, DSA-signed **XML** documents.
- Licensed a **cryptographic product** for export.
- **Product development** with Windows and Linux **installers**, online help, extensive **Log4J** logging, and other product support features.
- Developed and deployed with **Eclipse, CVS, Tomcat, Apache, MySQL**, on **Windows, Solaris, and Linux**.

1994–2000 • ObjectSpace, Inc. • Dallas, TX

Object Technologist

- Analyzed client business domains, designed and implemented solutions using Fusion OO methodology, **UML, VisualWorks Smalltalk, GemStone Smalltalk, Envy/Developer**.
- **Mentored** client personnel in Object-Oriented Analysis, Design, and Smalltalk implementation.
- Created **reusable software components** for clients in VisualWorks Smalltalk, GemStone Smalltalk.
- **Clients** included U.S. Sprint, Bell Atlantic, U.S. Federal Reserve Bank.

1988–1994 • Ottawa, ON; Canyon Country, CA; Portland, OR

Independent Consultant

- FORTH work for Bell Canada:
 - **Ported** polyFORTH to VAX/VMS.
 - Designed and implemented a UNIX-style **file system**.
 - Enhanced and maintained a **multi-user database** application.
 - Designed and developed a **distributed database server** for linking legacy systems.
- Designed and coded a FORTH-based portable **cyanide detector** for Perstorp Analytical.

Education

Ohio State University • Columbus, OH

B.S. Computer Science, College of Engineering

- Editor of ACM newsletter.

Sun Microsystems

Sun Certified Business Component Developer / EJB 3

Sun Microsystems

Sun Certified Java Programmer / Java 5

Scrum Alliance

Certified ScrumMaster