

Bill Champ

Selected Skills and Experience

- Java, Objective-C, C++, R, and more
- J2EE, EJB, Servlets, REST, JBoss, Wildfly, AWS, Hibernate
- XML, XPATH, XSL transforms, JDOM
- Passionate about Agile methodologies
- Sun Certified Java Programmer and Instructor with excellent teaching and presentation skills
- Linux, MacOS, iOS

Experience

LibreDigital

Nov. 2005 — Apr. 2021

November 2005 - April 2021

- Senior Software Engineer and Manager of client application development.
- Worked on a suite of SAAS applications to process eBooks and their metadata. These apps run in J2EE containers (JBoss/Wildfly sometimes Tomcat) built around EJBs with REST interfaces, message queues (ActiveMQ), and DB transactional persistence (Postgres, in AWS RDS instances).
- All servers in AWS (production, development, QA, load, etc.) and deployed via Ansible automation scripts.
- We followed a test-driven development approach running all integration tests via Maven in virtual machine environments managed by Vagrant scripts. Unit tests were executed automatically on a Bamboo build server at each code commit.
- Chief architect, inventor, and developer for Package Service — a high throughput, highly customizable, Java eBook construction application built on XML transformation, EJBs, and servlets all running on JBoss/Wildfly with Oracle persistence. It was a high profile app that accounted for the majority of the company's revenue.
- Used Ansible to automate deployment of applications. Integrated with JobTraq using SOAP interface. Receipt Service, Authentication Service, Asset Data Service, Poller Express.
- Built a web application with REST interfaces which wrapped the shiro authentication engine to support our app suite needs for authentication and session token validation.
- Designed and built a proprietary rule engine for a web-based book viewing application.
- Designed and built a property subsystem that allows inheritance of properties. Did this twice; once for rule engine and again for Package Service.
- Maintained and extended many existing server-side enterprise applications such as Library Server, eDM, BookServer, Transform Service, and others.
- Co-inventor of U.S. patent 8,495,098, a core technology for representing, transforming, storing, and retrieving digital XML representations of printed material which maintains the original look of the printed page.

Java Consultant

May 2005 — Nov 2005

September 2000 - November 2005

- Systems Evolution — Wrote a web application that tracks contracts for a Texas state agency.
- We used Hibernate, Struts, JRun, Tomcat, MySQL, and Oracle. I helped design and code the deliverable.

Oct. 2003 — May 2005

- 360Commerce (now Oracle) — A leader in retail Point-of-Sale software.
- I wrote front-end code (Swing) and back-end code (EJB) for the Kinko's production management project.
- A large complex project with 20–30 developers. WebSphere, JBoss, MQ, SQL Server, MySQL, Oracle, and custom 360 architecture. This software rolled out to over 1,300 Kinko's stores.
- I also worked on projects for The Gap, Circuit City, and Pep Boys.

Sep. 2000 — Oct. 2003

- I worked as a highly rated Sun Certified Java Instructor
- Taught Sun's certification courses for Java Programming — Servlets/JSP, EJBs, Swing, XML, and JDBC/SQL.
- I received an award as one of the top 7% of all Sun instructors nationwide.

National Instruments

May 1999 - September 2000

- C, C++ developer for LabVIEW product
- Large, complex, multi-platform project — Windows, MacOS, Unix
- Implemented a major new feature called DataSocket which is a technology that allows self-describing data to be imported to or exported from LabView

Tech Now

June 1998 - May 1999

- Java Instructor with excellent student reviews
- Developed instructional materials for new courses.
- Wrote well received web application using servlet technology to administer on-line tests.

Apple (Santa Clara)

Feb. 1996 — Jan. 1998

1988 - 1998

- ClarisWorks for Kids project — Windows 95 & MacOS
- Rose to Software Engineer III (Software Engineer IV is the highest at this company)
- Large, complex, cross platform project
- Worked on ClarisWorks multi-platform C code, Abstraction engine C code, top layer C++ code, MacOS emulation library from Altura (Windows version)

Oct. 1990 — Feb. 1996

- Responsible for all international issues on many cross platform products.
- Engineered international-specific functionality and performed code reviews

May 1988 — Oct. 1990

- Classroom instructor for Claris products
- Developed training materials for use in classroom and by end-users.
- Produced award winning 47 minute training video.

Education

Bachelor's degree, University of Texas at El Paso