

Jay Barker

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Objective

Lead software engineer on a team delivering best-in-class software.

Summary

Over six years of professional software development, consistently producing successful and complete solutions. More than ten years of part-time web development and hobbyist programming. Extensive technical and leadership experience.

Experience

Consultant

July 2008 – Present

Slalom Consulting

Project role: Lead Software Engineer, Front End / Web — Ongoing

Designed and implemented the front-end, web tier for a new application at an IT infrastructure company. Provided a responsive, cross-browser user experience with Apache Wicket, jQuery, and leading open source components.

Built complete functionality for application features, including requirements, specification, database schema, entities, data access, services, web components, UI design, markup, behavior, styling, and testing. Delivered cross-platform, object-oriented software through a successful production release to the corporate extranet.

Technologies used: Java, JavaScript, jQuery, Ajax, Apache Wicket, HTML, CSS, Spring Framework, Hibernate, J2EE, YUI, HTTP, XML, XSLT, MySQL, Maven, Eclipse, JUnit, Jetty, Tomcat, Subversion, Hudson.

Project role: Senior Software Engineer, Web & Services

Led the design, development, and deployment of a lead-generation web platform. Delivered a scalable, Java-based solution to power over a dozen public web sites.

Performed agile software development using Scrum. Implemented semantic, valid markup for search engine optimization (SEO). Decreased ongoing costs by tuning web performance. Interviewed technical candidates and mentored team members.

Technologies used: Java, JavaScript, HTML, CSS, Spring Framework, Hibernate, Ajax, YUI, Prototype, Maven, J2EE, Servlets, SiteMesh, Spring MVC, JSP, JSTL, JSON, XML, HTTP, Eclipse, JUnit, Ant, Jetty, JBoss, MySQL, Subversion, Hudson, Rally.

Project role: Senior Software Engineer, Release Management

Designed, implemented, and delivered a lean continuous deployment process for a new SharePoint-based extranet application at a non-profit organization.

Provided an agile solution covering release build, unit and functional testing, and automated deployment. Implemented continuous integration (CI) builds for multiple project components and continuous deployment for the final deliverable.

Technologies used: C#, XML, MSBuild, NUnit, Visual Studio, Team Foundation Server (TFS), Microsoft SharePoint Server (MOSS), Selenium, WSPBuilder, stsadm.

Senior Software Engineer

2008

Apptio

Designed and implemented new functionality for an IT financial management platform.

Technologies used: Java, JavaScript, Ajax, Google Web Toolkit (GWT), Tomcat.

Senior Software Engineer 2007 – 2008

QL2 Software

Designed and developed functionality for a software-as-a-service web application. Created a new, responsive user experience with Ajax and cross-platform design. Performed agile development, led technical initiatives, and mentored team members.

Technologies used: Java, JavaScript, Ajax, Spring, Hibernate, HTML, CSS, JSP, JSTL, DWR, JBoss, Tomcat, YUI, Prototype, Postgres, SQL.

Consultant 2006 – 2007

Net Result North America

Primary software engineer during development and testing phases for three enterprise applications delivered to a large European telecommunications firm.

Technologies used: Java, JavaScript, XHTML, CSS, Oracle, JSP, Struts, Tomcat.

Software Engineer 2005 – 2006

Teranode Corporation

Developed the SDK and public API for a bioinformatics platform using Java and XML.

Research Associate 2004 – 2005

Pacific Northwest National Laboratory

Created web sites and desktop software using Java, Swing, Flash, XHTML and CSS.

Technical Intern 1998, 1999, 2000 & 2003

Intel Corporation

Software Test Engineer Intern 2001 & 2002

Microsoft Corporation

Education

M.S., Software Engineering 2007

Seattle University

B.S., Computer Science & B.S., Technical Communication 2004

University of Washington

Projects

Web development 1994 – Present

Self-employed

Built and managed public web sites. Earned revenue from technical consulting, advertising, and affiliate referrals. Sites commended by media worldwide.

Software development, mobile 2000 – 2008

Hobby project

Developed free, open source software for the Palm platform using C. Optimized the user experience according to the Palm OS User Interface Guidelines. "Reflect" has been downloaded over 90,000 times.

Organizations

Elected Officer & Webmaster 2004 – 2009

Rotaract Club of Seattle, Rotary International

Elected leader in local chapter of international service organization for young professionals. Responsible for event planning, event execution, recruitment, member retention, communication, marketing, and all aspects of the public web site.