

VAL SCHUMAN

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About me

I am a highly skilled and passionate software engineer with over two decades of diverse programming experience. My expertise spans various programming languages, operating systems, and environments, and I possess a strong background in architecting application frameworks and leading teams of developers. Specializing in full-stack enterprise web application development, I excel in leveraging Java/Spring for robust backend systems and AngularJS for dynamic frontend interfaces. With an aptitude for developing complex, data-driven applications and a knack for designing comprehensive solutions from scratch, I seamlessly integrate multiple technologies and languages to deliver exceptional end products. As an experienced technical team leader, I bring invaluable insights and guidance to ensure successful project outcomes.

Skills

Core Competencies

Java, Spring Framework, Spring Boot, JavaScript, Angular/JS, SQL, CSS, HTML

Supplementary Proficiencies

SQL Server, MySQL, PostgreSQL, DB2, Oracle, Sybase, MyBatis, T-SQL, PL/SQL, Maven, Bash, PowerShell, JIRA, Azure DevOps, AWS, Git, Bitbucket, Jenkins, Horusec, CodeDX, Sass, Apache, Tomcat, Linux/Unix

Complementary Abilities

C#, PHP, VB (+ASP), Perl, Python, C/C++, XML, Struts 2.*, React, jQuery, JUnit, Hibernate, Node.JS, npm, yarn, bower, Ant, SVN, BIRT, sql2java, GWT, MediaWiki, Websphere 6.1, Sonar, Eclipse, IntelliJ IDEA, Photoshop, InDesign

Experience

Software Architect, LBI Software

Woodbury, NY — August 2009 - July 2023

Acted in the role of a Software Architect and Tech Team Leader, creating frameworks for multiple projects, and participating in their development and maintenance.

- Used Spring Framework, SQL Server, and AngularJS to create PCMS for NBA, a player, contract, transaction, and trade management system for NBA, G-League, WNBA, and 2KL. Used Maven, Spring's REST API for client/server communication, Spring Security with OAuth for authentication and authorization, WebSockets for messaging, SSRS for reporting, implemented digital contract signing using DocuSign, and player background checking using an external API. Analyzed performance bottlenecks and refactored problem modules to improve efficiency by up to 50%. Set up CI/CD pipelines in Jenkins for building, testing, and deployment.
- Implemented automatic dependency and security scanning of projects in Bitbucket and Azure using Jenkins Pipelines and Horusec.
- Developed a player management system for the Pelicans using Spring Boot, PostgreSQL, and Angular, containerized using Docker, and deployed on AWS.

- Developed a player activity and status tracking application for the NBA using Spring Boot, SQL Server, and Angular
- Developed player management projects for the Arizona Diamondbacks and other teams using Struts 2, Dojo plugin, jQuery, and BIRT Reports
- Set up and configured Tomcat, JBoss, Nginx, Websphere, and Apache HTTPD servers for application deployment.
- Developed applications and scripts using Python, C#, PHP, GWT, Bash, and PowerShell
- Set up a MediaWiki system used by the entire company for documentation and project guides.

Computer Science Tutor

Stony Brook, NY— May 2012 - present

Tutored college students in Computer Science, covering Data Structures, Software Engineering, and Web Development courses.

Summer Analyst, Bear Stearns

New York, NY — May 2007-August 2007

Maintained legacy Perl applications and created new reporting applications using Perl, PHP, Sybase, JavaScript, and HTML.

Web Developer, Stony Brook University

Stony Brook, NY — 2006-2007

Developed university website segments using Java, JSPs, ASP, ASP.NET, SQL Server, JavaScript, CSS, and HTML.

System Administrator, Web Host Plus

Fort Lee, NJ — March 2006-August 2006

Set up, administered, and performed troubleshooting on over 3,000 web hosting servers with Windows Server, RedHat, Fedora, CentOS, FreeBSD, and Solaris operating systems with cPanel and Plesk. Provided technical support to customers. Created a MediaWiki-based instruction manual for other administrators and support personnel to use.

Webmaster, NYC Office of The Comptroller

New York, NY — 1999-2004

Developed and maintained the public website and the intranet website.

Education

Stony Brook University

B.S. in Computer Science

Awards & Certifications

- Grand prize winner of the NYC Beyond 2000 web design/development contest:
<http://news.microsoft.com/2000/06/22/nyc-beyond-2000-envisioning-the-future/>