

Steve Perkins

SUMMARY

Over 15 years of experience with enterprise application integration and web development, in environments ranging from startups to the Fortune 500.

- Lengthy leadership experience, up to managing multiple development teams simultaneously. Has a background in teaching training classes, and enjoys mentoring junior developers.
- Excellent oral and written communication skills. Has been active in Toastmasters International (a public speaking organization), and interacts well with clients and business stakeholders.
- Published author, and maintains a technical blog with ~5-10K unique visitors a month. Presenter at DevNexus, the second-largest Java developer conference in North America. Hosts a number of open source personal projects and code samples on GitHub.

RECENT EXPERIENCE

BetterCloud – Senior Software Developer

October 2013 - Present

BetterCloud is a product company offering analytics, security, and advanced administration for Google Apps, Office 365, and other SaaS providers.

- Responsible for designing core shared services used by all development teams, most notably the access controls and security credential management systems.
- Used a microservice architecture, with Spring Boot-based services interacting through a combination of REST and Apache Kafka endpoints. Deployed services to Google Cloud Platform in Docker containers, managed by Mesos/Marathon.
- Dealt with over 100 terabytes of multitenant customer data, growing at a rate of multiple terabytes per month. Technologies included the Google Datastore and BigQuery, the Percona and Vitess variants of MySQL, Redis, and Elasticsearch. Developed proof-of-concepts using MongoDB and Cassandra.
- Spearheaded BetterCloud's entry into open source development on GitHub and Maven Central. Maintain the community's leading Java driver for HashiCorp's Vault, an encrypted secrets store at the center of our security architecture. Also worked directly with the Google team to contribute code upstream, adding SSL/TLS support to the JDBC driver for their Vitess database system.
- Involved in multiple iterations of our front-end, from GWT to AngularJS to React/Redux. Carried out sprint work under an Agile/Scrum methodology (with a brief Kanban experiment), using test-driven development (JUnit/Spock on the back-end, Jasmine/Mocha/Jest on the front-end).
- Served as Director of Engineering at one point during the startup growth cycle, before returning to a full-time hands-on role. Managed two development teams for a total of six direct reports, while also supervising four QA resources. Role included weekly 1-on-1's, semiannual performance reviews and salary adjustments, mentorship and professional development, interviews and hiring decisions, tracking and reporting KPI's to superiors, and coordinating cross-team efforts with peers.
- Awarded "BetterClouder of the Year" at the company's annual kickoff event.

Purchasing Power – Senior Software Developer

April 2011 - October 2013

A retail web platform, combining aspects of e-commerce and employee benefits (i.e. customers pay for large-ticket items through automatic payroll deduction).

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GitHub / GitLab

steve-perkins

LinkedIn

perkinssteve

SKILLS

Languages

Java, JavaScript, Go, Scala, Groovy, C#

Frameworks / Libraries

Spring (Spring Boot, Spring Batch, etc), JPA/Hibernate, React/Redux, Angular

Data

Oracle, DB2, MySQL/Percona, PostgreSQL, MongoDB, Cassandra, Redis, Elasticsearch, Apache Flink

Middleware

REST, SOAP, RabbitMQ, Apache Kafka, Apache Camel, OAuth, SAML

Environment / Infrastructure

Continuous Integration (Jenkins), Docker, Mesos/Marathon, Google Cloud Platform, Vault, Consul, Apache Zookeeper

EDUCATION

Georgia State University

J.D.

June 2010

Georgia Southwestern State University

B.S. Computer Science

December 1999

PUBLICATIONS (AUTHOR)

- *Hibernate Search by Example*,

- Worked initially with a legacy Spring-based architecture, consisting of web applications interacting with a business services subsystem via SOAP. Utilized Oracle databases, making heavy use of PL/SQL.
- The company later migrated the commerce platform to Hybris, a Spring-based product from SAP. Was selected as the first developer to be embedded with the consulting firm bootstrapping the migration. Responsible for driving business and technical requirements, and mentoring other internal developers as they incrementally moved over from legacy development.
- Integrated the new Hybris platform with in-house and third-party services (e.g. sales tax calculation, salary verification) using RabbitMQ and Spring AMQP.
- Made heavy use of jQuery, and lighter use of AngularJS, in the front-end UI.
- Designed a system based on Spring Batch for standardizing most of the company's batch processing needs. Used Scala and Akka for some special batch processes that need to be multithreaded.
- Expected to mentor less experienced developers. Initiated a monthly "lunch-n-learn" series, where I presented on various topics and eventually coaxed more introverted developers toward presenting on topics themselves.

PRIOR EXPERIENCE

Ericsson – Senior Java Developer

September 2010 – April 2011

Contract work for video asset management and rental tracking on a Java EE-based video-on-demand platform.

CNN – Software Developer

August 2009 – September 2010

Contract work to implement Java-based web services including weather, stock quotes, and race-by-race information for the 2010 mid-term elections.

Internap – Software Developer

November 2008 – May 2009

Contract work for an Internet infrastructure provider, to integrate the billing and operational systems of a recently-acquired competitor.

TRX – Software Developer

August 2007 – November 2008

Developed data aggregation and reporting solutions for financial clients, using a custom Java-based ETL and batch processing framework.

Number Six Software – Senior Consultant

June 2002 – August 2007

Implemented a B2B vehicle auction system based on WebSphere Commerce for the Manheim Auctions division of Cox Enterprises. Also taught Java training classes for the consulting firm's corporate education group.

Palarco Consulting – Senior Consultant

July 2001 – June 2002

Integrating legacy midrange servers with WebSphere Commerce applications in a series of short-term engagements.

Context Integration – Consultant

January 2000 – July 2001

Implementing a B2B commerce application for Georgia Pacific, based on server-side JavaScript and C++ business objects communicating via CORBA.

Packt Publishing, ISBN 184951920X

A Java developer's guide to using Hibernate with Apache Lucene and Solr components, to add custom full-text search functionality in their applications.

- *In the Aftermath of Bilski v. Kappos*, Practicing Law Institute, 2010 PLI Handbook Series
An overview of the current state of business method and software patents, presented at the 2010 PLI's Patent Litigation Seminar.
- *In the Aftermath of In re Bilski*, Practicing Law Institute, 2009 PLI Handbook Series
An overview of method and software patents while the Bilski appeal was pending. Presented at the 2009 PLI's Patent Litigation Seminar.
- *Scala Functional Programming Patterns*, by Atul S.Khot, ISBN 1783985844
- *Scala for Java Developers*, by Thomas Alexandre, ISBN 1783283637
- *PostgreSQL Administration Essentials*, by Hans-Jürgen Schöning, ISBN 1783988983
- *Building Web Applications in Spring Web MVC*, by Koushik Kothagal, ISBN 9781783286539
- *Angular UI Development*, by Matthias Nehlsen and Amit Gharat, ISBN 9781783288472
- *Angular Testing Cookbook*, by Simon Bailey, ISBN 1783983744
- *Mastering JavaScript Functional Programming*, by Federico Kereki, ISBN 9781787287440

ADDITIONAL PUBLICATIONS (TECHNICAL REVIEWER)