Steve Perkins

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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 deeply 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. Maintains a technical blog with ~10,000 unique visitors a month, and guest blogs for JavaCodeGeeks.com. Hosts a number of open source personal projects and code samples on GitHub.

RECENT EXPERIENCE

BetterCloud – *Software Architect*

October 2013 - Present
BetterCloud is a product company offering analytics, security, and advanced administration for Google Apps, Office 365, and other SaaS providers.

- 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.
- 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 RabbitMQ or Apache Kafka message brokers. Deployed services to Google Cloud Platform and Microsoft Azure 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. Persistence technologies included the Google Datastore and BigQuery, the Percona variant of MySQL, Redis, and ElasticSearch. Developed proof-of-concepts using MongoDB and Cassandra.
- In two major concurrency-related initiatives, re-wrote BetterCloud's sequential batch processing framework with multithreaded Java, and reimplemented a Java-based proxy microservice using Go. Improved throughput and cost by an order of magnitude in both cases.
- Spearheaded BetterCloud's entry into open source development on GitHub and Maven Central. Presented frequently at the engineering department's weekly lunch-n-learn series. Awarded "BetterClouder of the Year" at the company's annual kickoff event.

Purchasing Power – *Senior Software Developer*

April 2011 - October 2013
Technical lead for a retail web platform, combining aspects of e-commerce and employee benefits (i.e. customers pay for large-ticket items through automatic payroll deduction).

- Worked initially with a legacy Spring-based architecture, consisting of web

SKILLS

Languages
Java, Go, Scala, C#, JavaScript, TypeScript

Frameworks / Libraries
Spring, JEE, JPA/Hibernate, JAX-RS/Jersey, ASP.NET, jQuery, AngularJS 1.x/2.x

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

Middleware
RabbitMQ, Kafka, Apache Camel

Environment / Infrastructure
Continuous Integration (Jenkins), Docker, Mesos/Marathon, Google Cloud Platform, Microsoft Azure, Amazon Web Services

EDUCATION

Georgia State University
J.D.
June 2010

Georgia Southwestern State University
B.S. Computer Science
December 1999

PUBLICATIONS (AUTHOR)

- *Hibernate Search by Example*, Packt Publishing, ISBN 184951920X

applications interacting with a business services subsystem via SOAP. Utilized Oracle databases, making heavy use of PL/SQL.

- The company later chose to migrate the commerce architecture 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 JEE-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.

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 Practicing Law Institute'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 Practicing Law Institute's Patent Litigation Seminar.

ADDITIONAL PUBLICATIONS (TECHNICAL REVIEWER)

- *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 Schönig, 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