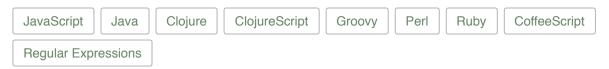
Skills

Languages



Database



General



Certifications

Sun Certified Programmer for the Java 2 Platform, SE 5.0

Red Bull Lead Software Engineer

January 2013 to Present

Red Bull Sound Select

Developed a platform for managing artists, live events, and tracking social media buzz around both. Built a music player for the site allowing sharing of consumer made playlists. Wrote all data mining of artist social activity so artists and Red Bull could detect the social media growth of artists. Correlate social media growth to shows played and tracks released. Built notifications framework for alerting users of new music in which they would be interested. Built ranking algorithm in platform in Clojure to rank artists and create dynamic trending lists.



Chromatik Lead Software Engineer

August 2011 to March 2013

On two developer team that built a web app that allows users to upload PDF versions of their sheet music and make sharable annotations and recordings of it. The scores can be shared to others for use in both a classroom and professional bands. The work I did was featured in TechCrunch, Forbes, Wall Street Journal, and used on American Idol. Received a \$5 million Series A round.

Node.JS CoffeeScript Backbone.JS MongoDB Bash

Rally Software Senior Software Engineer - R & D

April 2010 to September 2011

Agile Zen

Primary job function is adding features to an Agile based project management tool that has 40,000+ concurrent users, which is currently rated the number one agile tool. Other projects included building internal cloud based application to store rotating logs from the main application, our search indexes, attachments uploaded by users, and run Map/Reduce for data mining using Hadoop on a CentOS cluster. Implemented a tagging feature. Researched new analytics architectures and implemented working model using JavaScript based charting solutions and MongoDB.

 Java
 Spring
 Grails
 Oracle
 Node.JS
 CoffeeScript
 Bash

Verizon Business Senior Software Engineer

November 2006 to April 2010

Was in charge of redesigning the application architecture used by our network management group. Wrote a search engine that decreased search times from 20 seconds to 10 milliseconds using Apache Lucene. Implemented proof of concepts with Flex3 and Java backend, GWT, and JavaScript. Wrote a hook for the network management platform Smarts to our ticketing system for automated ticketing. Past accomplishments include examining existing algorithms for added performance enhancements. Some such enhancements decreased data load time from seven minutes to five seconds. Designed and developed a series of applications to increase productivity for the existing team of developers, which included writing class dependency generator, database driver wrapper to monitor queries.

Java Spring Oracle Flex GWT Bash

First Jobs, college, and interships

June 1998 to July 2006

bioMerieux Java Developer Intern

NCSU Lab Intern

Honeywell Inc. ASP.NET Developer

Freelance @ Shattered Reality Designs Sys/Linux Admin, Web Designer

North Carolina State University

Bachelor of Science Bachelor of Science Minor

Biochemistry Philosophy Computer Science

Flying Activities

Private Pilot License (HP/Complex), D Skydiving License, P2 Paragliding License

Sider

An inverted index for redis text search.

Informant

A node performance monitor.

HideHeid

Chrome App to block users on various forums.

QuickLog

An webapp to record wingsuit flights.