

Summary

I am a software engineer that has been building Java applications professionally for seven years. Currently, I work for SwingAI. My most recent project is Swing Index, an on-demand mobile golf app. I also support LifeJourney, building web applications used by hundreds of students on a daily basis. Java is my most proficient language, though I'm also comfortable on the front end. I'm actively working on a side project using Spring Boot and Vue.js, and writing about my experience on my personal website, builtbybrendan.com

Relevant Experience

- **Swing Index** LifeJourney / Swing AI
Software Engineer 2018 - Present
 - Designed, developed, and deployed a mobile app from the ground up, which now has 20,000 users and a 4.8 rating on the Apple App Store and Google Play Store
 - Built and maintained RESTful web services that the mobile apps use to process and persist user data
 - Lead the design and development of the AngularJS web application, which instructors use to score user submitted videos
 - Implemented an asynchronous messaging system using Apache Kafka, which was used to process user videos and other backend services, and still provide a non-blocking experience to the user
 - Integrated with the Google Play Developer API to provide subscription validation
 - Developed and modernized dozens of marketing websites, improving performance and maintainability
- **LifeJourney.us** LifeJourney / Swing AI
Software Engineer 2014 - Present
 - Built and maintained web application in Java using Spring and Hibernate, capable of handling thousands of concurrent users by means of NGINX load balancing and multiple Tomcat servers
 - Developed and maintained frontend in AngularJS
 - Maintained 80% unit test coverage using JUnit and Jasmine on the back and front ends respectively, and built integration tests using Geb and REST Assured
 - Wrote migration scripts in Groovy that managed the migration of multiple versions of the application to satisfy multiple clients concurrently
 - Built deployment scripts in Ruby using Capistrano to deploy the application to multiple environments
- **MatOnto Materials Science Framework** iNovex Information Systems
Software Developer 2012-2014
 - Developed RESTful web services using Groovy on Grails that orchestrated CKAN data publishing
 - Built ontologies serialized in RDF to enable federated SPARQL queries across multiple data sources
 - Designed Accumulo powered Graph Data store to handle high volume integrated data

Skills

Languages: Java (Proficient), Javascript (Proficient), Groovy (Proficient), Kotlin (Familiar), Node.js (Competent), Ruby (Competent), HTML/CSS (Proficient), Sass (Proficient), SQL (Competent)

Frameworks & Libraries: Spring (Proficient), Hibernate (Proficient), AngularJS (Proficient), React (Familiar), Vue.js (Familiar), Bootstrap (Proficient), Gulp (Proficient), Webpack (Proficient)

Certifications: Oracle Certified Associate, Java SE 7 Programmer

Volunteer: Open Source Contributor for Twitter Bootstrap, Designer and Developer of usa505.org

Education

- **Connecticut College** New London, CT
B.A. Major Computer Science, Minor Economics (GPA 3.28) 2008 - 2012
 - Relevant Courses: Computational Intelligence, Artificial Intelligence, Networks, Algorithms, Data Structures, Knowledge Representation and Reasoning, Software Engineering Methodologies