

## 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.

## 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 web application using AngularJS, which instructors use to score golf swings submitted by the users
  - 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 verification of active user subscriptions
  - 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, as well 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 <https://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