

Junnie Sim

github.com/einnuj · jsim.me

EXPERIENCE

REI Systems Inc. | Dovel Technologies Inc.

Programmer

Java, Clojure
Mar 2018–Present

- Lead team to integrate a federal agency's accounting system into GrantSolutions's grant lifecycle by building an interfacing micro-service.
- Pioneer cloud-native revamp of GrantSolutions, focusing the infrastructure on Clojure, AWS, and Datomic, to encourage rapid development, deliberate delivery, and a smoother user experience.

Associate Programmer

May 2017–Mar 2018

- Expanded GrantSolutions to process Grant Application submissions through secured web services, facilitating agency integration and procedural automation via SOAP, S3, and ActiveMQ.
- Automated account creation with user-based approval workflow, unifying the process across multiple Dovel applications, using Hibernate, Spring Boot, React, and RESTful web services.

CA Technologies at SBU

Senior Research Aide

Java
Jan 2016–Jun 2016

- Refactored data packaging from proprietary format to JSON for inherited IoT project.
- Configured, packaged, and stood up custom web-based authentication suite on virtual CentOS system using Docker.

Orbis Systems Inc.

Software Development Intern

Java, Python
May 2015–Aug 2015

- Developed an ORM Python project to automatically update database with data pulled from the internet.

EDUCATION

Stony Brook University

Bachelor of Science in Computer Science, Linguistics

Stony Brook, NY
Aug 2016

PROJECTS

“Comic Sans” GAE Webapp

Capstone Class Group Project

Java
Spring 2016

- Constructed Google App Engine website that allows clientele to CRUD, rate, comment, favorite, and/or subscribe to comics and creators.
- Managed data-flow from Google's App Engine to Java Servlets to browser, using technologies such as GAE's API, Objectify, FasterXML's Jackson, JSTL/EL, jQuery, and AJAX.

“RxCheck” Health Webapp

HackRU “Best Use of MongoDB” Group Project

Python
Fall 2015

- Engineered Python back-end with MongoDB to cross-reference user-input medical conditions and medications for possible negative interactions using Flask, PyMongo, and BeautifulSoup.
- Developed communications module using SendGrid and Twilio allowing users to opt-in to alerts through text, automated phone call, and/or email if any relevant drug interactions are published.

SKILLS

- Languages: **Java**, Clojure, Datalog, Python, Shell, Javascript, SQL
- Technologies: **Spring**, Hibernate, Datomic, AWS, React
- Tools: Git, Maven, Leiningen, Jenkins