

Raghavprasanna Rajagopalan

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EXPERIENCE

INTUIT | SOFTWARE ENGINEERING CO-OP

January 2018 - June 2018 | Mountain View, CA

- Launched a platform-wide orchestration service leveraging AWS to modify data and resources across the components and services that make up QBO. (AWS Step Function & Lambda, Docker, CircleCI, Python & Java)
- Redesigned the management of CA certs in the QBO platform and led an effort to externalize the QBO trust store from the monolithic code base. (Docker, Jenkins, Keytool, Python & Shell)

CHARLES RIVER DEVELOPMENT | SOFTWARE ENGINEERING CO-OP

January 2017 - June 2017 | Burlington, MA

- Built an application server cluster monitoring tool that enabled easy data polling metrics configuration. It is used during server performance tests. (Tomcat, J2EE, JMX, JDBC, Java & SQL)
- Designed a lightweight API verifier that enforces backwards compatibility in the Java client API and integrated the standalone tool with the build cycle. (Java & Batch scripting)

DELL EMC | SOFTWARE INTERN

May 2016 - December 2016 | Franklin, MA

- Built an application to convert product exam certification descriptions to a newer format; led to 70 exam templates being updated and going live. (Apache POI API, Java)
- Analyzed certification and monthly invoice data to determine where losses incurred; resulted in a change in how product exams were ordered. (Microsoft Access, Excel)

PROJECTS

DOCKERNET @github

August 2018

A configurable way to build and run containers all attached to the same Docker network, allowing for inter-container communication. This ensures your microservices are truly independent. (Docker, Python & Shell)

SAMSKRITI

January 2018 - PRESENT

A webapp built on a containerized microservice architecture. Serves content about the Sanskrit language, and will also have a REST API developers can interact with. (Docker, Flask, Google Drive API, Python & JavaScript & HTML)

SLACKBOT @github

August 2017 - November 2017

A Slackbot that provides an easy way of getting air travel (flight) information via the (now deprecated) QPX Express API. (Slack API, StdLib, NodeJS)

SKILLS

LANGUAGES

Java • Python • Racket (Lisp)
SQL • Perl • HTML • CSS • C
JavaScript • ACL2s

FRAMEWORKS

AWS • Flask • AngularJS • J2EE
Tomcat • GraphQL

TOOLS

Bash/Zsh • Vi • Git & Github
Docker • CircleCI • Serverless
Conda • Jenkins • Postman
MongoDB

EDUCATION

NORTHEASTERN UNIVERSITY

BS IN COMPUTER SCIENCE AND BIOLOGY

Expected May 2019 | Boston, MA

College of Computer and Information Science

Dean's List (Fall 2015, Fall 2017)

GPA: 3.62 / 4.0

MS IN COMPUTER SCIENCE

Expected May 2020 | Boston, MA

College of Computer and Information Science

COURSEWORK

GRADUATE

Computer Systems
Principles of Programming Languages
Bioinformatics I

UNDERGRADUATE

Object-Oriented Design
Algorithms and Data Structures
Theory of Computation
Database Design
Biochemistry
Neurobiology
Genetics and Molecular Biology