

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.
- 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.

CHARLES RIVER DEVELOPMENT | SOFTWARE ENGINEERING

CO-OP

January 2017 - June 2017 | Burlington, MA

- Built a highly configurable tool to monitor a cluster of application servers. It is actively used to collect data on regularly occurring server performance tests.
- Designed a lightweight API verifier that enforces backwards compatibility in the Java client API and integrated the standalone tool with the build cycle.

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.
- Analyzed (Excel) certification and monthly invoice data to determine where losses incurred; resulted in a change in how product exams were ordered.

PARTNERS PHARMACY | PHARMACY TECHNICIAN

April 2015 - May 2016 | Marlborough, MA

- Packaged Schedule IV and V prescription medication, working with compounds, liquids, medical kits, and bulk medicine.
- Obtained Pharmacy Technician registration, and learned Health Insurance Portability and Accountability Act (HIPAA) regulations and lab safety methods.

PROJECTS

DOCKERNET

August 2018 - 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.

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.

SLACKBOT

August 2017 - November 2017

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

SKILLS

LANGUAGES

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

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