

# 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

### BLUEBIKEDATA on Github

October 2018 - December 2018

Visually explores data generated by Bluebike in a webapp that runs services to aggregate the data, exposes that data via a REST API, and queries it on the front end.

(Kubernetes, CloudSQL, Tableau, Docker, Flask, Python & MySQL & HTML)

### DOCKERNET on 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)

### SLACKBOT on 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 • GCP • 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: 3.64 / 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