

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

LEAGUE-AI on Github

February 2018 - April 2018

Uses artificial intelligence and machine learning techniques such as logistic regression, decision trees (random forest), and neural networks to predict match outcomes in League of legends.
(Python, R, Tensorflow, Keras)

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)

SKILLS

LANGUAGES

Java • Python • Racket (Lisp)
SQL • R • Perl • HTML • CSS
C • Elm • 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

May 2019 | Boston, MA

College of Computer and Information Science

Dean's List (Fall 2015, Fall 2017, Fall 2018)

GPA: 3.64 / 4.0

MS IN COMPUTER SCIENCE

Expected May 2020 | Boston, MA

College of Computer and Information Science

COURSEWORK

GRADUATE

Foundations of AI
Managing Software Development
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