

# Varghese Rony George

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## EDUCATION

### Ryerson University

Sept. 2018 – June 2023

*Bachelor of Engineering in Computer Engineering, Software Concentration*

*Toronto, ON*

CGPA: 3.81/4.00

Relevant Courses: Advanced Algorithms, Computer Vision, Software Architecture

## TECHNICAL SKILLS

**Languages:** Java, Python, TypeScript, Javascript, SQL, MySQL, Postgres, Oracle, HTML5, CSS3

**Frameworks:** Spring Boot, Flask, Angular, Django, Node.js, Express.js, JUnit

**Developer Tools:** Git, Docker, Postman, GCP, Heroku, AWS S3, Firebase

**Libraries:** Swagger, Lombok, BeautifulSoup, Angular Material, Pusher.js

## EXPERIENCE

### CloudOps

August 2021 – April 2022

*Software Engineer Intern — Spring Boot, Vue.js, SQL, Groovy*

*Toronto, ON*

- Added features for buckets, files, and environments on the **S3** plugin for CloudMC so that users are able to manage all their cloud service integrations through one platform.
- Developed a notification scheduling system to email warnings about a customer's credit card expiry
- Redesigned the service providers pricing package, discount, and management UI that significantly improved UX
- Implemented automated unit tests utilizing **Groovy**, **Postman** and **Jest** to improve code maintainability

### Government of Canada

May 2020 – August 2021

*Software Engineer Intern — Spring Boot, Angular, PostgreSQL, Oracle*

*Ottawa, ON*

- Built components for an Angular UI component library and worked on Spring Boot micro-services used across multiple tools in the department
- Implemented threading on asynchronous data imports which optimized response times by **80%** on large files
- Modified project pipelines to include SonarCloud monitoring for code quality and used it to increase test coverage by **70%**
- Planned an automated migration operation from an **Oracle** database to **PostgreSQL** in order to reduce work hours

## PROJECTS

### 🔗 Chatter | Javascript, Express.js, Node.js, MongoDB, Docker

September 2022 - Present

- Developed a chat application server for the front end to subscribe for conversation updates
- Configured environments using **Docker** to improve development process
- Redesigned the **MongoDB** schema for the chat functionality which assisted in minimizing data redundancy and accelerating retrieval times

### 🔗 Mazamon | Java, Spring Boot, Oracle SQL

November 2020

- Produced a full-stack E-Commerce web application with a team using Spring Boot serving a REST API with React as the frontend
- Leveraged Java SQL Libraries to handle interactions between data and server layers
- Designed BCNF ER Model Diagrams and transitioned entities to database to minimize data overlap

### 🔗 Solaro | Python, Flask

April 2020

- Developed an application designed to approximate energy savings of a specified home via solar power integration
- Parsed a CSV containing Government sourced data on solar radiation in different regions
- Integrated Google Cloud's ML libraries to estimate surface area of a roof depending on the shape
- Received an honorable mention as part of the top ten in a competition with over 100 teams in the hackathon

### 🔗 Inventory Investigator | Python, Flask, Firebase, Google Places API

May 2020

- Built a server for a mobile application that would allow users to look at items of nearby stores without having to enter them during a pandemic within a kilometer radius
- Utilized **Google Places API** to mark nearby points of interest relative to a phone's GPS coordinates
- Stored data in **Firebase** to track products and their inventory as users make orders in the mobile application