

# Varghese Rony George

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## EDUCATION

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### Ryerson University

*Bachelor of Engineering in Computer Engineering, Software Concentration*

*In Major GPA: 3.96*

Toronto, ON

*Sept. 2018 – June 2022*

*Dean's List*

## EXPERIENCE

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### Government of Canada

May 2020 – Present

*Full Stack Developer Intern — Spring Boot, Angular, PostgreSQL*

*Ottawa, ON*

- Developed components for an Angular UI component library and worked on Spring Boot micro-services used across multiple tools in the department
- Implemented threading to handle asynchronous requests to optimize data importing UX
- Modified pipelines to include SonarCloud monitoring for code quality and used it to increase test coverage by 70%

## PROJECTS

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### Mazamon | *Spring Boot, Oracle SQL*

November 2020

- Developed a full-stack E-Commerce web application with a team using with Spring Boot serving a REST API with React as the frontend
- Used Java SQL Libraries to handle interactions between data and server layers
- Designed BCNF ER Model Diagrams and transitioned entities to database
- Tested requests through Swagger and Postman

### RUPrepped | *Firebase, Python, BeautifulSoup*

July 2020

- Developed a course planner tool designed to help Ryerson University students plan their long term studies
- Built web scraper scripts using BeautifulSoup to parse course data from Ryerson University's official page
- Used Firestore to store parsed course information in a format the tool could use

### Solaro - EarthxHack 2020 | *Python, Flask*

April 2020

- Developed the backend for an application designed to approximate energy savings on a resident's roof if they were to use solar panels
- Parsed a CSV containing Government sourced data on solar radiation in different regions
- Worked with Google Cloud's ML libraries to estimate the surface area of a roof with formulas depending on the roof shape
- Received an honorable mention within top ten in a competition with over 100 teams in the hackathon

### Inventory Investigator | *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
- Used 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

## TECHNICAL SKILLS

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**Languages:** Java, Python, TypeScript, SQL (Postgres/Oracle), HTML5, CSS3, MatLab

**Frameworks:** Spring Boot, Flask, Angular, Django, JUnit, Agile, Bootstrap 4, Firebase

**Developer Tools:** Git, Docker, Postman, Swagger, Google Cloud Platform, VS Code, IntelliJ, Jira, Confluence, Heroku

**Libraries:** Swagger, Lombok, BeautifulSoup, Angular Material