

Varghese Rony George

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EDUCATION

Ryerson University

Bachelor of Engineering in Computer Engineering, Software Concentration

In Major GPA: 3.98

Toronto, ON

Sept. 2018 – June 2022

Dean's List

EXPERIENCE

Full Stack Developer Intern

May 2020 – Present

Government of Canada — 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

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

Banking Application | *Java, JavaFX*

March 2020

- Created an GUI application that would allow users to deposit and withdraw currency from bank accounts
- Produced UML Diagrams to draft class diagrams that would incorporate OOP concepts such as polymorphism
- Added Java IO File Libraries to allow data persistence through read and write operations on text files

TECHNICAL SKILLS

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