SURYA SENDHILRAJ

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EDUCATION

University of Waterloo   **2021 - 2026**
Bachelor of Applied Science - Systems Design Engineering
Courses: Data Structures & Algorithms (C++), Digital Computation (Python, Linux), Digital Systems (C, Assembly)
Cumulative **GPA: 3.8 / 4.0**

SKILLS

Languages: Java, Python, Kotlin, C++, SQL, JavaScript, HTML, CSS
Frameworks: Spring Boot, Django, React.js
Databases: Microsoft SQL Server, MySQL, PostgreSQL, Relational DBMS
Infra/Tools: Docker, Kubernetes, Helm, Kafka, Google Cloud Platform, Linux, Git, Jenkins, Postman, Swagger, Jira

EXPERIENCE

OMERS - Backend Engineer Intern   **Sep 2022 - Present**
- Developing **microservices** and APIs in the pensions industry relied on by **500K+** people, using **Java,** Spring Boot, **PostgreSQL, Kafka,** and **Google Cloud Platform,** leveraging **event-driven-design** principles

PointClickCare - Software Engineer Intern   **Jan 2022 - Apr 2022**
- Optimized **microservices** used by **200K+** nurses using **Spring Boot** and **object-oriented design** principles
- Automated patient allergy imports with a **REST** API, decreasing import times by **80%**, using Spring **Data JDBC**
- Reduced failing **API** calls and **database** queries for documents by **25%** using **JPA**, **Hibernate** ORM, and **SQL**
- Migrated **2** microservices to **Kubernetes** pods to automate container creation in **Jenkins** during testing
- Implemented **test-driven-development** practices to ensure a **90%** coverage by creating end-to-end, integration, and unit tests using **Kotlin**, **JUnit**, **Mockito**, mockMVC, WireMock, and Cypress
- Improved data reconciliation by **20%** by creating stored procedures and unit tests using **Microsoft SQL Server**

Tech For Good Inc - Software Engineer Intern   **Jun 2021 - Aug 2021**
- Developed backend endpoints and business logic for a drunk driving detection application using **Django**
- Manipulated **SQLite** and leveraged **object-relational-mapping** to make data queries about pupil dilation
- Developed reusable components for a time tracking application using **React.js**
- Improved customer satisfaction by **30%** using client-side routing by implementing navigation features
- Led **7** other interns in an **agile** team by leveraging the **scrum** framework using **Jira**, to implement features

PROJECTS

Where Am I? (GitHub)   **JavaScript, Django, REST API, SQLite, Bootstrap**
- Created an innovative **full-stack app** allowing users to learn about which **Indigenous** land they are on and about any Indigenous land **across the world**, and post tribe stories to a feed with **CRUD** operations
- Leveraged **Geolocation API** to get user lat/long and **Wikipedia API** to get land summaries
- Leveraged **Mapbox API** to render an **interactive map** for users to pick tribes and territories
- Scaled **SQLite** DB of **600+** land records using Django **ORM,** resulting in quick retrieval of info in views
- Enforced security by integrating **register, login,** and **logout** features

INTERESTS

Soccer ● Swimming ● Fitness ● Learning ● Video Games ● Anime