# Shaun Soobagrah

Montreal, QC | 438-522-3702 | shaun.soobagrah@mail.mcgill.ca | LinkedIn | Github

## EDUCATION

**McGill University** — Montreal, Canada

*BEng Electrical Engineering, minor in Software Engineering* — Sept. 2019 – Dec. 2023

- **CGPA:** 3.67/4.0 | Dean's List 2022-2023
- **Scholarship**: Faculty of Engineering scholarship, John M. Bishop and Family Scholarships in Engineering

## EXPERIENCE

**Software Developer** — May 2023 – Dec 2023

*Quebec Centre for Biodiversity Science* — *Montreal, Canada*

- Developed annual report generation feature on website which resulted in a 80% reduction in manual effort
- Improved employee workflow by automating data input and display process, eliminating manual Excel processing
- Automated website component generation with PHP scripts, streamlining workflow and eliminating manual Divi component additions on WordPress
- **Leveraged knowledge** of PHP, MySql, React JS, Javascript, WordPress, Docker

**Full Stack Developer** — Jan 2023 – April 2023

*Stocate (startup)* — *Montreal, Canada*

- Implemented Deep Linking functionality, enabling seamless transition from the website to the mobile app
- Developed and integrated pagination feature, reducing webpage loading time by 70%
- Enhanced website functionality and user experience through the integration of new features
- Utilized Agile methodology and Jira to efficiently manage and deliver projects
- **Leveraged knowledge** of React JS, Java (Spring Boot), Postgresql, Docker, GitHub

## PROJECTS

**Gym Website** | *Java (Spring Boot), PostgreSQL, Vue.js, AWS*

- Created a website where people can find gym partners
- Dockerized application, implemented a CI/CD pipeline using GitHub actions and hosted application on AWS
- Designed and implemented persistent layer using Hibernate and PostgreSQL

**Parking Lot Management Software** | *Java (Spring Boot), PostgreSQL, Vue.js*

- Implemented a REST API and business logic based on domain and requirements models
- Designed and implemented persistent layer using Hibernate and PostgreSQL
- Developed unit test and intgeration test using JUnit and reached 95% test coverage
- Implemented Frontend using HTML, CSS and Vue.js

**Elastic Cloud System** | *Python, Docker, Linux*

- Developed a program using Flask that manages a cloud system consisting of virtual machines which provides cloud computation
- Used Docker containers to simulate virtual machines that runs Python applications
- Handled user requests through a REST API and used a load balancer to distribute workload
- Created an elastic cloud manager that adjusts resource allocation based on user demand

**Bike Tour Management Application** | *Java, Gherkin/Cucumber, JavaFX, UML*

- Developed a bike tour booking application enabling users to reserve tours, including gear, guides, and dates, while providing administrative functionality for tour creation and management
- Leveraged knowledge of MVC pattern and UML diagrams
- Implemented acceptance tests with Gherkin/Cucumber and JUnits

## SKILLS

**Languages**: English (Fluent), French (Fluent)
**Software**: Java (Spring Boot), PHP, C, Python (Flask), React.JS, JavaScript, Vue.Js, HTML, CSS, PostgreSQL, mySQL, Jira, Docker, AWS