

# SUTHARSEEHAN NAVAJEEVAYOKAN

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## SUMMARY

**Programming Languages:** JavaScript, SQL, C/C++, Java, Python, Swift, HTML, CSS  
**Frameworks & Technologies:** Spring Boot, AWS (S3), React, Node, Express, MongoDB, Gradle  
**Development Tools:** Git, Linux Environment, Swagger, scikit-learn, pandas, Matplotlib, Keras

## EXPERIENCE

### Software Developer Intern

*Schedulock Inc.*

Jan - Apr 2021

*Ajax, ON*

- Created and optimized API calls and SQL queries using **Spring** and **MySQL** to reduce network response time by **73%**
- Implemented secure file upload and download for brokerage documents using **AWS S3** file storage management
- Spearheaded the development of a url shortener using API calls and Java libraries to reduce annual costs by **\$6,000**
- Actively participated and contributed in weekly sprints in an agile development environment and helped guide team of co-op students with creating API's and understanding the codebase
- Converted online web application platform from **PHP** to a **React JS** and **Java Spring** codebase by developing and implementing reusable web-page components using **React** and **JavaScript**
- Used **Twilio** and **SendGrid** APIs to send group emails and text message notifications to users

### Junior IT Administrator

*Procom Services Ltd.*

May - Aug 2020

*Toronto, ON*

- Fulfilled **223** employee requests concerning issues in hardware and software using the **JIRA** ticketing system
- Collaborated with IT administrators to encrypt employee devices and ensure security of company data
- Main duties included replacement of faculty equipment, setting up workstations for new employees (wiring up monitors, laptop docking stations, IO devices), and imaging laptops/desktops

## PROJECTS

### Group Messaging Web Application

*Native Websockets, MongoDB, Express, React, Node.js*



- Used the MERN stack to create a web-based group chat application to display persisted messages
- Allow users to send and receive messages from a MongoDB database using native websockets

### House Price Predictor

*Python, Keras, scikit-learn, Matplotlib, pandas*



- Developed a basic house price data scraper and classifier to identify when to buy or sell a house based on current and previous house prices
- Analyzed and manipulated data using Python libraries including pandas, Keras, SK-Learn, and Matplotlib

### Social Networking Web Application

*JavaScript, MongoDB, Express, React, Node.js*



- Developed a web-based social network application utilizing a MERN development stack
- Implemented OAuth 2.0-based user authentication strategies using PassportJS and JWT tokens
- Handled and dispatched HTTP requests from a NodeJS server using Express
- Integrated CRUD operations using a MongoDB database

### Parking Spot Sensor

*Python, Arduino*



- Successfully produced a program that would detect if an object is nearby through the use of an LDR sensor and developed code that would output energy to an LED
- Project has a practical application to determine if a specific parking spot is either empty or occupied

## EDUCATION

### University of Waterloo

*Candidate for Honours Bachelor of Applied Science in Computer Engineering*

Sept 2019 - Apr 2024