# SUTHARSEEHAN NAVAJEEVAYOKAN

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## SUMMARY

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|---|---|
| **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, IntelliJ, VSCode, Linux Environment, Swagger, scikit-learn, pandas, MatPlotLib, phpMyAdmin |
| **Interests** | Reading, Piano, Soccer, Machine Learning, Woodworking |

## 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 developement of a url shortener using API calls and Java libraries to reduce annual company 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 **JIRA**
- Collaborated with IT admin 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, Github Actions, 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 MongoDB database using native websockets1
- Used Github Actions to test pipeline and prepare for deployment

### 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 libraries including Pandas, Keras, and SK-Learn
- Used MatPlotLib to visualize the training loss and accuracy to determine if the model is overfitting

### 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

## EDUCATION

### University of Waterloo
*Candidate for Honours Bachelor of Applied Science in Computer Engineering*

Sept 2019 - Apr 2024