

THARSEKEN NAVAJEEVAYOKAN

🌐 tharseken.io | ✉️ tnavajee@uwaterloo.ca | ☎️ (416)-910-0494 | 🌐 tharseken | 🌐 tharseken

SUMMARY

Languages	JavaScript, SQL, C/C++, Python, Swift, Java
Frameworks & Technologies	React, Node.js, Express, MongoDB/CosmosDB
Development Tools	Git, Linux Environment, Swagger, Docker, Jira

EXPERIENCE

Full-Stack Software Developer Intern

May – Aug '19

TimeSaved Inc.

Markham, ON

- Designed and implemented microservices and RESTful APIs for user management and core business logic
- Created and improved reusable web components using technologies such as React, Redux, and Formik
- Refactored server database logic to use data aggregation pipelines, reducing data processing times by 11%
- Developed a real-time group messaging platform between web and mobile clients using socket libraries
- Integrated user data infrastructure to increase analytical data intake by 67% and allow for data pipelining to Google Analytics

Front-End Software Developer Intern

Sept – Dec '18

EllisDon Corporation

Toronto, ON

- Implemented layouts and wireframes provided by UX designers using React's JavaScript framework
- Maintained and created scalable web application components used throughout platform
- Leveraged Redux and Reducers to efficiently manage and modify the state of the web application
- Assisted backend developers to optimize API endpoints to create efficiencies by deprecating unused APIs

Software Automation Engineer Intern

Jan – Apr '18

Nissan Canada Inc.

Mississauga, ON

- Designed and developed automation test suites and framework for web application using Java and Selenium
- Drafted and executed test cases and regression testing to identify and document software issues
- Worked cross-team with development and automation teams to complete testing on product releases

PROJECTS

Social Networking Web Application

JavaScript | Stack: MongoDB, Express, React, Node.js

- Developed a social network web-based application utilizing a MERN JavaScript 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

Mobile Messaging App

Swift, Google Firebase, ChameleonFramework

- Instant messaging app utilizing an MVC design structure to securely send/recieve multi-media messages
- Implemented Google Firebase's NoSQL database and authentication service to securely store message info

Stock Predictor & Analyzer

Python, BeautifulSoup, Pandas

- A basic stock data scraper and classifier to identify when to buy, sell, or hold a particular stock based on previous stock prices
- Analyzed and manipulated data using libraries including Pandas, Matplotlib, Numpy, and SK-Learn

EDUCATION

University of Waterloo

Sept '17 – Apr '22

Candidate for Honours Bachelor of Applied Science in Computer Engineering

GPA: 3.3

- Relevant Courses: Algorithms and Data Structures, Fundamentals of Programming, Systems Programming and Concurrency, Numerical Methods, Embedded Microprocessor Systems