THARSEKEN NAVAJEEVAYOKAN

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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 — Markham, ON
TimeSaved Inc. — May – Aug '19

· 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 — Toronto, ON
EllisDon Corporation — Sept – Dec '18

· 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 — Mississauga, ON
Nissan Canada Inc. — Jan – Apr '18

· 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
Language(s): *JavaScript, HTML, CSS* | 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
Language(s): *Swift*

· 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
Language(s): *Python*

· 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