

# Nerushan Naguleswaran

ENGINEER · STRIVING PROGRAMMER · ENTHUSIASTIC LEARNER

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## About

A self taught Software Engineer transitioning from Electrical Engineer who is willing to learn and improve on soft and technical skills. Experiences in agile teams, creating modern UI with modern languages and problem solving any issues appearing in the project life cycle.

## Experience

### Software Engineer(Full Stack)

North York, Canada

GOJITECH

October 2021 - Present

- Working in a fast growing Health-Tech startup company with a team software engineers aiming to modernize electronic health record(EHR/EMR) software
- Front-End Stack: React, Typescript, Ionic
- Back-End Stack: Node.js, Typescript, TypeORM
- Using pre-existing EHR API and Postman to find issues or missing features to either improve or create API
- Using React, Ionic and SASS to create modular components and modern UI for the EMR
- Using Jira to manage personal task, report bugs or assign task

### Sr. Technical Student

Toronto, Canada

TORONTO HYDRO - METER DATA MANAGEMENT

January 2019 - Aug 2019

- Managed and lead a team of 4 people on a major meter conversion project ensuring team cohesion and fulfilment of deadlines
- Conducted meter data maintenance in industry standard software, including ODS and MV90
- Gathered meter information using PL/SQL from Oracle servers and used Excel macros to analyze and compare complex data sets
- Organized and validated manufacturer data sheet specifications using SAP and communicated essential information with supervisor and senior technicians

## Projects

### Team Lead

Toronto, Canada

ENGINEERING CAPSTONE (ENG4000)

Sept 2020 - April 2021

- Proposed by Toronto Hydro to explore the viability of Electrical Vehicle chargers and Battery Energy Storage System for Condos in Toronto
- Developed an extensive Python simulation for the Battery Energy System (Bess), Multi-Unit Residential Building (MURB), Ev chargers and car flow
- Using python developed the EV chargers and car flow simulations for both (real time and historical time)
- Developed billing functionality for the MURB using Node.js and an energy management system platform to show the entire energy system in one environment
- Organized meetings in order to communicate project progress with Toronto Hydro and created progress/other reports for course advisors

## Skills

**Front-End Development** HTML, CSS, SASS, Javascript, React, Bootstrap, Typescript, Ionic, Redux

**Back-End Development** Node.js, Python

**Database Development** PL/SQL, MongoDB, Postgres

**Project Management Tool** Jira

**Simulation and Numerical Tool** MATLAB, Simulink, Spice, Psim

**Other Languages and Tools** Github, Bitbucket, Postman, C, C++, Java, Bash, Verilog, R-Studio, Unix/Linux Shell

## Education

### Bachelor of Engineering (BEng) in Electrical Engineering

Toronto, Canada

LASSONDE SCHOOL OF ENGINEERING, YORK UNIVERSITY

June 2021