

# Nerushan Naguleswaran

ENGINEER · STRIVING PROGRAMMER · ENTHUSIASTIC LEARNER

Toronto, ON

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## Skills

<b>Front-End Development</b>	HTML, CSS, SASS, Javascript, React, Bootstrap, Typescript, Ionic, Redux
<b>Back-End Development</b>	Node JSs, Nest Js, Python
<b>Database Development</b>	PL/SQL, MongoDB, Postgres
<b>Project Management Tool</b>	Jira
<b>Simulation and Numerical Tool</b>	MATLAB, Simulink, Spice, Psim
<b>Other Languages and Tools</b>	Github, Bitbucket, Postman, C, C++, Java, Bash, Verilog, R-Studio, Unix/Linux Shell

## Experience

### Jr. Software Engineer(Full Stack)

North York, Canada

GOJITECH

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
- Tech Stack: React, Typescript, Ionic, Nest js, Typescript, TypeORM
- Using pre-existing EMR 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 Intern

Toronto, Canada

TORONTO HYDRO - METER DATA MANAGEMENT

2019 - 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

### Front End Developer

Toronto, Canada

DIGIDEX

2021

- Using React to learn and understand to create a pokemonDex for Digimon
- This project was motivated to learn Front End methodologies
- Complementing react with CSS and accessing a Digimon Api with axios

### Team Lead

Toronto, Canada

ENGINEERING CAPSTONE (ENG4000)

2020 - 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

## Education

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

Toronto, Canada

LASSONDE SCHOOL OF ENGINEERING, YORK UNIVERSITY

2021