

# SETU POTNIS

Software Engineer

## SKILLS

### Programming Languages

JavaScript, Dart, C++, Java, Python, NodeJS

### Web Technologies

REST, Flutter, Web Sockets, J2EE, HTML5, CSS

### Data Modelling

JSON, XML, XSLT

### Data Management

MySQL, MongoDB, Firebase

## GET IN TOUCH

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## KEYWORDS

Front-end Development

Full-Stack Development

Agile

Java

Testing

JavaScript

Data

UI

Architecture

React

## PROFESSIONAL EXPERIENCE

### Web Application Developer

National Research Council | January 2020 - Present | Ottawa

- Testing, deploying and observing data visualization systems to production servers which increased data usability for clientele by **14%**
- Creating data visualizations with d3.js to provide further machine learning tools such as energy usage statistics to reduce expenses
- Employing the use of data structures to reduce repetitive code by **12%** and reduce time complexity of algorithms to optimize for scalability, in Java and JavaScript by **16%**
- Communicating with clients through technical guides to present the product and increase customer satisfaction

### Software Developer

Mirrabel Inc | May 2019- August 2019 | Toronto

- Diligently worked with the CTO to manage the backend of the website and reduce bugs by **40%**
- Produced a Shopify application by designing the user interface with react.js and redux
- Integrated Shopify API to permit existing e-commerce cosmetic stores to acquire **90%** better-targeted sales and data through direct marketing
- Automated email marketing in python to grant quicker access to cosmetic partnerships

## PROJECTS

### uOttaFit

February 7-February 9 | uOttaHack3 | Ottawa

- Designing a full stack application with a **React.js** frontend and a **C++** and **Python** backend, as well as a 3-dimensional camera, to prevent injuries related to weightlifting
- Testing the software by performing compound lifts at the gym in order to train the machine learning model
- Employing user testing to determine accuracy and usability of model for future development and improvement
- Placed **top twenty** among 177 participants overall

### Smart Mirror

September 2019 - December 2019 | Waterloo

- Constructing a smart mirror mobile application with the Flutter SDK to create a more personalized home atmosphere
- Enhancing smart mirror experience by using open source software such as Spotify and Amazon Alexa APIs
- Reviewing code to reduce repetition and create a scalable system for the user
- Implementing a to-do list which can send reminders to emails when a task is incomplete

## EDUCATION

Candidate for Bachelor of Applied Science | Nanotechnology Engineering

University of Waterloo (Class of 2023)