

# Setu Potnis

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## SKILLS

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**Languages** (JavaScript, TypeScript, Java, Python, C/C++, HTML, CSS, GraphQL, Dart, Matlab)

**Libraries / Frameworks** (React.js, Express.js, Node.js, Jest, Redux, Flask, Material UI, JQuery)

**Tools** (Git, Azure, Salesforce, Flutter, Postman, Terraform, Firebase, Google Cloud Platform)

## PROFESSIONAL EXPERIENCE

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**National Research Council**, Web Application Developer 05/2021 – 08/2021

- Created **9 frontend features** with **JQuery** and **D3.js**, allowing data to be presented and viewed on different graphs
- Fixed **14 back-end bugs** with **Java**, improving request speed by **12%** while maintaining full functionality
- Led weekly team meetings to facilitate the direction of the project and perform live demos to showcase progress

**Manulife**, Salesforce Software Engineer 01/2021 – 04/2021

- Reduced costs by **70%** by using **Azure** Data Factory and **Salesforce** connectors to create audit reports for the team
- Constructed infrastructure for **microservices** in **Azure** through **Terraform** to significantly reduce service costs
- Increased **GraphQL** request speed by **8%** by creating a **microservices** library in **TypeScript** and testing with **Jest**
- Developed product roadmaps using both the **Scrum** and **Agile** methodologies

**Box Labs**, Software Developer 09/2020 – 12/2020

- Raised user retention by **23%** by improving product aesthetic and UX of online services with **React.js** and **Express.js**
- Wrote test cases with **Jest** to assess for scalability in **TypeScript**, minimizing the impact of bugs on UX and UI
- Increased the number of large scale features from **10 to 25** by converting markups to functional UI with **React.js**

**National Research Council**, Web Application Developer 01/2020 – 08/2020

- Cut energy expenses by **20%** by creating visualizations and ML tools for energy statistics in **JavaScript** and **D3.js**
- Increased scalability and transfer speed by **150 ms/MB** by refactoring algorithms in **JavaScript**
- Identified and recommended **6** new web features in conjunction with business clients and project managers
- Enhanced request speed by improving and testing already present algorithms in **Java** and **JavaScript**

**Tejo**, Software Developer 05/2019 – 08/2019

- Reduced runtime errors by **40%** and improved scalability by adding optimizations for **REST** requests in **JavaScript**
- Created a Shopify app with **React.js** and **Express.js** to allow other cosmetic stores to gain targeted sales
- Analyzed user data with **Python** to identify the success rate of existing e-commerce stores through the app
- Automated e-mail marketing in **Python** to grant access to cosmetic partnerships, bolstering product distribution

## PROJECTS

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**Form Checker**, Hack the North 2021 ↗ 09/2021

- Used **React.js**, **Flask**, and **Firebase** to create an application hosted on **Google Cloud Platform** which analyzes data from a gyroscope and accelerometer to inform users of their exercise form

**uOttaiFit**, Health and Fitness at UOttaiHack3 ↗ 02/2020

- Achieved **top 20 out of 177** participants for creating technology which improved health and wellness of users
- Used **PyTorch** and **React.js** to make an app that prompts users to correct their posture when performing compound lifts

**Flash Chat**, Mobile Chat App ↗ 02/2020

- Used **Flutter SDK** and **Material UI** to create a real-time chat mobile app hosted on **Firebase**

## EDUCATION

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**University of Waterloo**, Bachelor of Applied Science - 3B Term 09/2018 – 04/2023

Relevant Courses: Data Structures and Algorithms in **C++**, Advanced Computational Methods in **MatLab** and **Python**

Last Term Average: 88.9 %