

Setu Potnis

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Skills

Languages

JavaScript, Java, HTML, Matlab, C/C++, CSS, Python, GraphQL, TypeScript, Sass, Dart, Terraform

Libraries / Frameworks

React.js, Express.js, Node.js, Bootstrap, Material UI, React Router, Jest, Redux, Flask

Tools

Salesforce, Git, Azure, Flutter, Postman, Azure, Firebase, MongoDB

Product Management

Jira, Scrum, Agile, Trello, Confluence

Professional Experience

Web Application Developer, National Research Council

May 2021 – Aug 2021

- Created **9 frontend features** with **JavaScript** to increase the number of ways the users could visualize the data
- Fixed **14 back-end bugs** with **Java** to improve the speed of REST requests by **12%** which increases user experience and app usability
- Identified and recommended new web features in conjunction with business clients and project managers
- Lead weekly team meetings which facilitated the direction of the project as well as which new clients would also be interested

Salesforce Software Engineer, Manulife

Jan 2021 – Apr 2021

- Developed detailed product roadmaps using both the **Scrum** and **Agile** methodologies
- Reduced costs by **70%** by using **Azure** Data Factory to create audit reports for the Salesforce team
- Constructed infrastructure for microservices in **Azure** through **Terraform** to significantly reduce service costs
- Created an NPM package with **TypeScript** for enterprise users and added integration testing with **Jest** for robust usage across the Salesforce team which gives access to Salesforce microservices

Software Developer, Box Labs

Sep 2020 – Dec 2020

- Created data visualizations with **Python** resulting in patients being more informed about their health risks
- Proficiently built test cases with **Jest** to assess for scalability in **TypeScript** to minimize the impact of bugs on UX
- Increased user retention by **23%** by improving product aesthetic and UX of online services with **React.js** and **Express.js**
- Increased the number of large scale features from **10 to 15** by successfully converting markups in Figma to functional UI with **React.js**

Web Application Developer, National Research Council

Jan 2020 – Aug 2020 | Ottawa / Remote

- Developed, tested and deployed data systems in **Java** and **JavaScript** to production servers increasing the usability of data
- Increased data transfer by **500 ms / MB** by implementing data structures in **JavaScript** to **refactor** code and increase scalability
- Cut expenses by **20%** by efficiently creating data visualizations and machine learning tools with **JavaScript** and **D3.js** to visualize energy usage statistics

Software Developer, Tejo

May 2019 – Aug 2019 | Toronto

- Produced 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 with **Python** to grant quicker access to cosmetic partnerships to bolster product distribution worldwide
- Reduced runtime errors by **40%** and managed the company website to allow faster website performance by adding optimizations for REST requests in **JavaScript**

Projects

Form Checker, Health and Fitness at Hack the North 2021

Sep 2021

- Created a **React.js** application, with a **Flask** backend hosted through **Google Cloud Platform** and data being transmitted to a **Firestore** database with an ESP32 microcontroller and a gyroscope and accelerometer to tell users if their exercise form was optimal or not

uOttFit, Health and Fitness at UOttHack3

Feb 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 to prompt users on how to perform weightlifting exercises without becoming injured

Flash Chat, Mobile Chat App


Feb 2020

- Created a real-time chat app with **Flutter** SDK and authentication with **Firebase** while utilizing Google's **Material UI** design pattern

Education

University of Waterloo,

Sep 2018 – Apr 2023 | Waterloo

Honours Bachelor of Applied Science in Nanotechnology Engineering 

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

Last Term Average: 88.9 %