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

💼 Professional Experience

National Research Council, Web Application Developer   05/2021 – 08/2021
- 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**, improving request speed by **12%** which increases user experience and app usability
- Lead 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
- Developed product roadmaps using both the **Scrum** and **Agile** methodologies so AVPs can view project progress
- 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 request speed by **8%** by creating a **microservices** library in **TypeScript** and adding robust testing with **Jest**

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

- Proficiently built test cases with **Jest** to assess for scalability in **TypeScript** to minimize the impact of bugs on UX and UI
- 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 25** by converting markups to functional UI with **React.js**

National Research Council, Web Application Developer   01/2020 – 08/2020
- Increased data usability by developing, testing, and deploying systems in **Java** and **JavaScript** to production servers
- Increased transfer speed by **150 ms / MB** by refactoring data structure algorithms in **JavaScript** 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

Tejo, Software Developer   05/2019 – 08/2019
- 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 access to cosmetic partnerships, bolstering product distribution
- Reduced runtime errors by **40%** and improved scalability by adding optimizations for REST requests in **JavaScript**

📁 Projects

Form Checker, Health and Fitness at Hack the North 2021 ⧉   09/2021
- Created a **React.js** application, with a **Flask** backend hosted on **Google Cloud Platform** and data being sent to a **Firebase** database from a gyroscope and accelerometer which told users if their exercise form was optimal

uOttaFit, Health and Fitness at UOttaHack3 ⧉   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 if they're performing compound lifts incorrectly

Flash Chat, Mobile Chat App ⧉   02/2020
- Created a real-time chat app with **Flutter** SDK and authentication with **Firebase** while using Google's **Material UI** design

🎓 Education

University of Waterloo, Honours Bachelor of Applied Science in   09/2018 – 04/2023
Nanotechnology Engineering ⧉
Relevant Courses: Data Structures and Algorithms in **C/C++**, Statistics in **MatLab** and **Python**, Advanced Computational Methods
Last Term Average: 88.9 %