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

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

Product Management
Jira, Scrum, Agile, GitHub, Confluence

💼 Professional Experience

Web Application Developer, National Research Council　　　　　　　　　　May 2021 – Aug 2021 | Remote
- 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 | Waterloo (Remote)
- Developed detailed product roadmaps using both the **Scrum** and **Agile** methodologies
- Used **Azure** Data Factory to create audit reports for the Salesforce team which reduced costs by **70%**
- 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 | Toronto (Remote)
- 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
- Improved product aesthetic and UX of online services, resulting in a significant increase in user retention, specifically by **23%**
- Increased UX by successfully converting markups in Figma to functional UI with **React.js** to increase the number of features from **10 to 15**

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
- Independently employed the use of data structures in **JavaScript** to significantly **reduce repetitive code** and improve scalability of algorithms, consequently reducing data transfer by **500ms**
- Efficiently created data visualizations and machine learning tools with **JavaScript and D3.js** to reduce energy usage statistics, consequently allowing clients to cut expenses by **20%**

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
- Managed the company website and reduced runtime errors by **40%** to allow faster website performance by adding optimizations for REST requests in **JavaScript**

📁 Projects

Facebook Clone, Social Media 🔗　　　　　　　　　　Dec 2020
- Created a clone of Facebook with **React.js** and **Firebase** to process data and authentication with Google Auth
- Used organized **CSS** principles in order to keep the code organized and follow an excellent style guide

uOttaFit, Health and Fitness at UOttaHack3 🔗　　　　　　　　　　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 authentication with **Flutter** SDK and **Firebase Firestore**
- Utilized **Material UI** to follow Google's Design patterns and match the clean user interfaces they have.

🎓 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 %