Setu Potnis

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SKILLS

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

National Research Council, Web Application Developer   May 2021 – Aug 2021
- Boosted operation speed by **14%** by improving microservices infrastructure by using **object-oriented design principles**
- 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

Manulife, Salesforce Software Engineer   Jan 2021 – Apr 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 by **$30, 000 / annum**
- 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   Sep 2020 – Dec 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   Jan 2020 – Aug 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   May 2019 – Aug 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

Form Checker, Hack the North 2021 ⌇   Sep 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

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,** **C++** and **React.js** to make an app that prompts users to perform compound lifts in a safe manner

Flash Chat, Mobile Chat App ⌇   Feb 2020
- Used **Flutter SDK** and **Material UI** to create a real-time chat mobile app hosted on **Firebase**

CERTIFICATES

Udemy ⌇	**App Brewery**	**Linkedin Skill Quizzes** ⌇
Mastery of Data Structures and Algorithms	The Full Flutter Development Bootcamp	JS, Python, Java, C++, OOP, CSS, HTML

EDUCATION

University of Waterloo, Bachelor of Applied Science - 3B Term   Sep 2018 – Apr 2023
Last Term Average: 88.9 %