Indusha Semba

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Skills

Languages

Go, Java, Python, Bash, Kotlin, JavaScript/TypeScript, SQL

Frameworks

React, Redux, Angular, Node, Express, Flask

Tools

AWS, Kubernetes, Docker, Git, Jenkins, Azure, Firebase, MongoDB, Terraform

Projects

RentME

OSINT web app to streamline house-hunting process by predicting potential rental value of homes using a Random Forest machine learning model trained using geographical, availability and privacy information.

Hangry (Startup)

Frictionless social-distancing mobile application using React Native and Expo to allow customers to view restaurant menus by scanning QR codes, partnered with over 60 restaurants.

Education

University of Waterloo

Candidate for BASc in Management Engineering (Apr 2022)

Courses include: Data Structures and Algorithms, Database Systems, Data Mining, Human-Computer Interaction

Experience

ADP Lifion - Software Engineer

Sept 2021 - Dec 2021 • New York City, NY (remote)

- Joined SRE team to design and implement tools to improve the reliability and efficiency of Lifion infrastructure and container platform

Mattermost - Software Engineer

Jan 2021 - April 2021 • Palo Alto, CA (remote)

- Implemented backend commands for Cloud Plugin using Go allowing the creation and management of Kubernetes installations directly from Mattermost, used by **500+** developers
- Led the development of an intuitive Cloud Plugin UI using React and Redux to allow developers to create, delete and view Kubernetes installations via any messaging channel in Mattermost
- Updated account settings UI using TypeScript and SCSS to reduce manual inputs and create a more consistent experience used by **200+** companies
- Wrote unit tests in Go to expose bugs in cloud plugin features improving code coverage by **50%**

Long View Systems - Cloud Developer

May 2020 - Aug 2020 • Toronto, ON (remote)

- Created Jenkins pipeline integrated with SonarQube for continuous build, deployment, providing insight into code integrity
- Deployed and managed multi-container apps with Azure Kubernetes services reducing deployment time for **100+** clusters
- Provisioned EC2 infrastructure using Terraform, deployed and tested them using Ansible for improved automation

Interac - Full Stack Developer

Sept 2019 - Dec 2019 • Kitchener, ON

- Developed mobile app with NLP chatbot for requesting transactions using React Native and Redux targeting **7M+** users
- Implemented face recognition checkout feature using Azure Cognitive APIs, Node, and Angular to improve security and efficiency of online purchases for **2M+** daily users
- Created a continuous delivery pipeline to deploy Dockerized applications to AWS using Jenkins for 30% faster feature release time

Grand & Toy - Software Developer

Jan 2019 - Apr 2019 • Toronto, ON

- Developed a dashboard using React and Redux enabling **170K+** clients to customize their experience, reducing manual touch points

Ericsson - Operations Support

Sept 2019 - Dec 2019 • Kitchener, ON

- Worked closely with business stakeholders to obtain requirements and develop complex SQL queries and stored procedures to generate **200+** data reports