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
Bachelor of Applied Science
Honours Management Engineering, Computing Option (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)

- Extended functionality of compliance chatbot using Go and WebEx APIs to output risk and vulnerability reports for AWS Accounts to improve monitoring, used by **200+** engineers
- Led PostgreSQL upgrade for Jira to patch security vulnerabilities by setting up EC2 instances, migrating Amazon RDS Postgres data using an ETL Pipeline and conducting end to end functional testing
- Provisioned AWS EKS clusters using Terraform, deployed and tested them using Jenkins for improved automation

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

- 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
- Implemented backend commands for Cloud Plugin using Go allowing the creation and management of Kubernetes installations directly from Mattermost, used by **100+** developers
- 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 within cloud plugin for improved code coverage and built well-tested React components

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

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

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
May 2018 - Aug 2018 • Toronto, ON

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