Indusha Semba

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Skills

Languages: Golang • Java • Python • JavaScript/TypeScript • Bash • Kotlin • SQL
Frameworks: React • Redux • Angular • Node • Express • Flask
Tools: AWS • Kubernetes • Docker • Git • Firebase • MongoDB • Jenkins • Azure

Experience

Mattermost | Software Engineer   Palo Alto, CA (remote) | Jan-Apr 2021

- 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
- Added ability for users to specify whitelisted Docker image names and other properties when creating an installation
- Wrote unit tests in Go to expose bugs in cloud plugin features improving code coverage by **50%**

Long View Systems | Cloud Developer   Toronto, ON (remote) | May-Aug 2020

- 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
- Created Azure and AWS cloud security remediation runbooks for business critical security alerts

Interac (Innovations Lab) | Full Stack Developer   Kitchener, ON | Sep-Dec 2019

- 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 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   Toronto, ON | Jan-Apr 2019

- Developed a dashboard using React and Redux enabling clients to customize their experience, reducing manual touch points
- Implemented REST endpoints for web app using Django and serialized data using protobufs transmitted over gRPC to reduce bottlenecks by **30%**

Ericsson | Operations support   Toronto, ON | May-Aug 2018

- Built an order summary page using Javascript, Python, PostgreSQL integrated with Tableau for improved data visualization
- Worked closely with business stakeholders to obtain requirements and develop complex SQL queries and stored procedures to generate **200+** data reports

Projects

RentME | Flask, React, AWS

- Created an 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
- Built APIs and ML model backend using Flask and Python with a React frontend for a seamless experience

Hangry Startup (Lead Backend Developer) | React Native, Express, MongoDB

- Created a frictionless social-distancing mobile application using React Native and Expo to allow customers to view restaurant menus by scanning QR codes, partnered with **60+** restaurants
- Implemented database schema and authentication using MongoDB to manage restaurant and user information

Education

University of Waterloo | 4A Management Engineering (BASc)   Sep 2017-Apr 2022
Relevant Courses: Data Structures and Algorithms, Database Systems, Data Mining, Search Engines