Indusha Semba

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Skills

Languages: C++, Java, Rust, Python, C/C#, Go, SQL, JavaScript, React/Redux

Tools: Azure, AWS, Docker, Kubernetes, MongoDB, Git

Experience

Microsoft | Software Engineer   July 2022 - Present | Redmond, WA

- Developed intuitive UI and backend for a cryptographic attack detection tool, reducing bug tickets by 30% and enabling users to self-diagnose vulnerabilities, optimized performance using multithreaded API calls
- Implemented telemetry pipeline for Azure to track security health statuses, optimizing database design and query performance, saving engineering hours organization-wide for bug diagnosis
- Built cross-OEM security test suite using abstraction, enabling automated report generation and attracting major partners to adopt our solution, used by over a billion devices globally
- Led design and implementation of a highly scalable key generation app, overseeing both PM and developer roles, from ideation to fully tested product in one business quarter

ADP | Software Engineer Intern   Sept - Dec 2021 | New York City, NY

- Built 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, set up EC2 instances, migrated Amazon RDS Postgres data using an ETL Pipeline and conducted end to end functional testing

Mattermost | Software Engineer Intern   Jan - Apr 2021 | Palo Alto, CA

- 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

Long View Systems | Cloud SDE Intern   May - Aug 2020 | Toronto, ON

- Deployed multi-container apps with Azure Kubernetes services reducing deployment time for 100+ clusters

Interac | Full Stack Intern   Sept - Dec 2019 | Toronto, ON

- Developed mobile app with NLP chatbot for transactions using React Native and Redux targeting 7M+ users

Grand & Toy | Software Engineer Intern   Jan - Apr 2019 | Toronto, ON

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

Ericsson | Software Engineer Intern   May - Aug 2018 | Toronto, ON

Projects

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

Hangry Startup: Smart menu app using React Native, partnered with over 60 restaurants.

Education

University of Waterloo   Apr 2022

BASc in Management Engineering, Computing Option (Graduated with Distinction)

Courses Include: Data Structures and Algorithms, Databases, Data Mining, Human Computer Interaction