

ALEX LI

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TECHNICAL SKILLS

Fullstack Development | HTML5, CSS3, React, Redux, Apollo Client, VueJS, Vuex, Bootstrap, SASS, GraphQL, MySQL, PostgreSQL, SQLite3, NodeJS, MongoDB, Mongoose, Express framework, Ruby on Rails, Django

Mobile Development | React Native, Expo SDK, Flutter, XCode, Android Studio

Cloud and CI/CD | AWS, Microsoft Azure, GCP, YAML, Github Actions, Bitbucket Pipelines, Jenkins, Terraform, Docker, K8S

Proficient Languages and Tooling | JavaScript, Typescript, Python, Ruby, C++, Rust, C#, Bash, Git, shell scripting

WORK EXPERIENCE & PROJECTS

Genesys | Software Engineer – Front-end/UI

May 2023 – Present

- Improved design of front-end UI on internal application features with HTML, React Typescript, and Tailwind CSS.
- Migrated legacy code from Ember.js and introduced new JavaScript frameworks such as React, improving developer experience and increased average sprint task completion by 15%.
- Introduced automated testing to front-end code with Jest-Typescript for unit testing and Playwright for integration testing, reducing average manual QA on all upcoming features by 35%.
- Configured Jenkinsfiles by integrating and optimizing automated builds, and CI/CD for front-end applications. Reduced build/deployment process by ~50 sec.

Vidyard | Software Developer – Platform

Jan 2023 – Apr 2023

- Utilized Ruby on Rails and Vue.js to develop the Vidyard web-app, used by over 12 million customers.
- Integrated Shopify Shipit-Engine with Ruby on Rails to streamline CD and reduced deployment conflicts by 12%.
- Optimized CI jobs costs by 13% and reduced merge conflicts by 32% by adding parallel Merge Queue with Trunk.
- Implemented Trunk's Code Quality Scans to automate linting and issue detection on pull requests before CI tests.
- Integrated dev-ops processes such as ESLint, Jest, RSpec, and Docker containerization with Github Actions.
- Enabled deployment of scalable production instances through AWS EKS, reducing monthly costs by over 17%.
- Automated Kubernetes cluster provisioning on AWS using IaC through Terraform and AWS Cloud formation.

KORA | Software & Cloud Engineer

Nov 2020 – Jan 2021

- Advanced app development with XCode and Android Studio on a mobile application used by 30,000+ users.
- Improved mobile user experience by integrating UI accessibility features into 85% of the app with React Native.
- Wrote optimized data fetches with Apollo Client and GraphQL and improved API response times by ~790 ms.
- Created and managed two additional AWS EC2 instances for deploying QA servers of Rails back-end.
- Devised optimized MySQL queries and reduced content retrieval time by over 14%.
- Performed QA testing on Rails back-end and optimized over 30 GraphQL endpoints using Postman.
- Improved code readability and removed over 500 lines of boilerplate by introducing state management with Redux and the Context API.

CERTIFICATIONS

- AWS Certified Cloud Practitioner by Amazon Web Services** Jan 2022
- Full-Stack Web Development with React Specialization by the HKUST.** Sept 2020

RELATED COURSES

Algorithm Design and Analysis | University of Waterloo. Jan (24) – April (24)

Programming for Performance with Rust | University of Waterloo. Jan (24) – April (24)

Data structures and Algorithms | University of Waterloo. Jan (20) – April (20)

Full-Stack with React, React Native, Express, Node | Coursera: HKUST. June (19) – Sept (20)

EDUCATION

Honors Bachelor of Mechatronics Engineering Co-op | University of Waterloo

2024