

ERIC CHAN

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Frameworks & Libraries & Tools

AWS (CloudFormation, Step Functions, Lambda, API Gateway, etc), Keycloak, Terraform, Helm, Docker, Kubernetes, PostgreSQL, React, React Native

Languages

Python, Javascript, Java, SQL, HTML, CSS

Experience

Imply, *Software Engineer*

Dec. 2020 - June 2022

Built an API service to automate customer account creation with AWS SAM, reducing customer onboarding time from ~4 weeks down to ~8 min. This led to an increase in sign ups and a greater conversion of trial to paying customers.

Wrote an internal CLI tool using AWS Step Functions and Keycloak to provision SSO accounts for customers, automating a repetitive task that saves countless hours for engineers on-call and empowers the customer support team to be more self-sufficient.

Implemented security hardening features to mitigate bot attacks for a public-facing API, including ReCaptcha token verification, email verification, OIDC authentication with Keycloak, API throttling, with additional Slack and PagerDuty alerting integrations for greater API-security visibility.

Zeus Living, *Data Engineer*

Jan. - March 2020

Wrote Helm Charts to package a Looker linter application on Kubernetes, enabling engineers to configure, deploy, version, and scale the application more efficiently.

Zeus Living, *Data Engineer (Co - op)*

Sept. - Dec. 2018

Designed a deployment architecture and wrote scripts to automate the deployment of trained pricing models, enabling faster feature releases and reducing the engineering overhead for data scientists.

Jerry, *Software Engineer (Co - op)*

Sept. - Dec. 2017

Launched an iOS and Android mobile app with a very small team, working closely with the CTO and a product designer, to implement core app functionality and interface using React Native, GraphQL and Relay.

PiinPoint, *Full Stack Developer (Co - op)*

Jan. - April 2017

Solely responsible for implementing core UI/UX using React, Redux, and Redux-saga for a location analytics web app, and worked closely with a product designer to build new features critical to application functionality.

Connected Lab, *Software Developer (Co - op)*

May - Aug. 2016

Built interactive, data-driven web pages for a device management web app with custom search and filtering functionalities using React and NodeJS.

BlackBerry, *Software Developer (Co - op)*

Sept. - Dec. 2015

Developed a scalable PHP REST API that facilitated the development of internal tools for the BlackBerry Network Operations Centre (NOC).

Built a consolidated messaging web app in AngularJS that streamlines communication for BlackBerry NOC alerts.

Education

University of Waterloo, *Bachelor of Computer Science (Co - op)*

2013 - 2019