

JEFFREY FEI

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SKILLS

LANGUAGES: Go, Java, Python, C, C++, Ruby, JavaScript

TECHNOLOGIES: AWS, Jenkins, Docker, Terraform, Cloud-init, Packer

DATABASES: MySQL, PostgreSQL, Redis

EMPLOYMENT

Salesforce

Infrastructure Engineer · Jan. 2019 to Current · San Francisco, CA

- Implemented Terraform pipelines that provision DB clusters on demand in under 15 minutes
- Fully automated the setup and configuration process of multiple DB services using Cloud-init
- Developed an updater service that performs zero downtime upgrades on services within the DB cluster
- Automated AMI generation with Packer to generate AMIs with the latest service binaries

Infrastructure Engineer · May 2018 to Aug. 2018 · San Francisco, CA

- Developed a new deployment process that enables private Jenkins servers to deploy to public EC2 instances
- Automated the creation of a dockerized testing environment over EC2 instances using Terraform
- Utilized VPC Private Link to allow public EC2 instances to access private Nexus server repository

Shopify

Developer · Sept. 2017 to Dec. 2017 · Waterloo, ON

- Implemented a real time event multiplexing service in Go to relay customer orders to Shopify Launchpad
- Refactored an event multiplexer which reduced duplicating order events relayed to the clients by over 60%
- Prototyped a scalable webhooks handler in Rails for Shopify's future product content management application

SMART Technologies

Software Developer · Jan. 2017 to Apr. 2017 · Calgary, AB

- Designed SMART LAB's web migration that allows users to launch SMART LAB in SLSO
- Implemented a new login flow in SMART LAB to allow subscription based user access control
- Created a dialogue system that monitors and informs the user on the running status of LAB activities

Dell EMC

Software Engineer · May 2016 to Aug. 2016 · Burlington, ON

- Improved build analytics by implementing a service to process real time build machine data with Node.js
- Implemented Python scripts to automate inactive owner reassignment over Coverity
- Automated Purify log imports in Coverity which enables stack tracing of outstanding memory issues

PROJECTS

Share My Notes

Nov. 2017 to Current

- A markdown note sharing service with software load balancing capability built in Go

EDUCATION

University of Waterloo

Bachelor of Software Engineering 2020