

Skills

Java, Scala, Python, Golang, C++, Spring Boot, JavaScript, React, Spark, Kafka, Docker, Kubernetes, Bash, SQL, Git

Experience

Guidewire Software, Remote - Software Engineer II June 2020 - Current

- Programmed automation for onboarding in Java using Camunda workflows, reduced customer onboarding time from days to under 2 hours
- Architected metadata service to be used by cloud department for administering customer & internal Kubernetes clusters
- Developed & deployed CICD tools (TeamCity, Bitbucket) with Terraform & Kubernetes, in use by 20+ customers
- Built retrospective site as a microservice in internal Kubernetes cluster, used by 86 teams

Sumo Logic, Redwood City - Advanced Analytics Intern Sep 2019 - Dec 2019

- Aggregated suspicious AWS events collected through programmed log operators for presentation at AWS re:Invent 2019
- Maintained operators in Sumo Logic log search with Scala
- Prototyped AWS attack cycle detector based off tracked events using graph database and Python

Nvidia, Santa Clara - Machine Learning Intern Jan 2019 - Apr 2019

- Sped up the data cleaning of gaze-detection input features for CNN by 7 times
- Revised input vector for eye gaze to improve detection accuracy
- Automated the training and evaluation of ML networks through use of Docker containers
- Reduced training time by 1.6 times through elimination of idle CPU time

Autonomic, Toronto - Ride Hailing Intern May 2018 - Aug 2018

- Reduced amount of S3 storage required by 5 times, overhauling use of complete model objects to smaller deltas in storage
- Migrated historical events to new model without affecting production uptime, maintaining backwards compatibility in API
- Ingested Kafka streams into SpringBoot backend for tracking rides in real-time
- Sped up API update latency by 3 times through reducing model complexity

Education

University of Waterloo - Bachelor of Software Engineering Sep 2015 - Apr 2020

Graduated with Distinction

Work Authorization

Eligible for TN nonimmigrant status as Canadian