

BRANDON LO

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EDUCATION

Oregon State University

Bachelor of Science in Computer Science

JUNE 2018

Univeristy of California Santa Barbara

Bachelor of Science in Biological Sciences

JUNE 2016

TECHNICAL SKILLS

Languages: Python, Java, C++, C, Groovy, Golang, Bash

Technologies: Apache Hbase, Spark, SQL, Git, Maven, Terraform, Ansible, Rancher, Kubespray, Helm, Docker, AWS, Azure, GCP, LDAP, Kerberos, Active Directory, Kubernetes, ArgoCD, Jenkins,

WORK EXPERIENCE

Visa Inc.

Foster City, CA

Senior Data Engineer - Data Platform as a Service

NOV 2021 - PRESENT

- Kuberenetes Team: Golang, Java, YAML
 - Working on Visa's largest kubernetes cluster which supports Visa's AI platform.
 - Coordinated and led the operating system migration to improve security and stability.
 - Integrated Forgerock SSO into our identity service used by the Machine Learning Platform.
 - Led the deployment of renovate bot for automated dependency updates.
- Big Data Platform Team: Java, Bash, SQL
 - Worked on a big data platform for a scalable backend web services (45 million requests/day).
 - Supported the hadoop platform and helped the transition to our next gen platform.
 - Optimized the migration to the next-gen platform by 75% to limit downtime.
 - Accelerated artifact deployment by 3x by developing E2E pipelines to deploy artifacts.

Brandon Lo Consulting

Remote

Software Engineer

AUG 2021 - AUG 2021

- Consultant: Python, Groovy, Bash
 - Designed, architected, and delivered project to setup infrastructure and create an E2E pipeline.
 - Automated deployment of non-maven artifacts into Artifactory using Jenkins scripted pipeline.
 - Oversaw installation of the project on Hortonworks and debugged any issues.

Splice Machine

San Francisco, CA

Cloud Engineer/Release Engineer

SEPT 2018 - JULY 2021

- Cloud/SRE Team: Python, Golang
 - Automated provisioning of k8s infrastructure and of our clusters on AWS/Azure/GCP/Baremetal.
 - Piloted the migration from an on-prem Jenkins to a k8s Jenkins to cut down testing time by 75%.
 - Built and managed CI/CD pipelines for with ephemeral build nodes with Jenkins on k8s.
 - Leveraged Slack's API to setup monitoring and health checks of our DBaaS infrastructure.
 - Architected automated end to end pipelines of k8s for regression and performance testing.
- Product Development Team: Java, Python, SQL, YAML, Bash
 - Managed releases of all software components hosted on Nexus and Amazon S3.
 - Streamlined the existing build deployment pipeline from 15 steps to 2 steps.
 - Identified issues in testing infrastructure which reduced build time from 72 hours to 4 hours.
 - Programmed and integrated a custom Splice DB service for Cloudera and MapR big data platforms.
 - Extended platform support for our service for Cloudera, Hortonworks, and MapR distributions.
 - Oversaw 150+ baremetal servers for our on-premise cluster deployment on Windows and Linux.