

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/AD, Kerberos, Kubernetes, ArgoCD, Jenkins, CAPI, OIDC

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.