

# BRANDON LO

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## EDUCATION

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### 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

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

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

## WORK EXPERIENCE

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### Visa Inc.

Foster City, CA

Senior Data Engineer - Data Platform

NOV 2021 - PRESENT

- Kuberenetes Team: Golang, YAML
  - Working on Visa's largest kubernetes cluster which supports Visa's AI platform.
  - Coordinated and led the baremetal operating system migration to improve security and stability.
  - Upgraded legacy k8s components to support the latest opensource version.
- Big Data Platform Team: Java, Bash, SQL
  - Worked on a big data platform with for a scaleable backend web services (45 million requests/day).
  - Supported the hadoop platform and helped the transition to our next gen platform.
  - Built and developed the Next-Gen platform as a service to improve performance.
  - 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 202

- 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

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.