

BRANDON LO

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EDUCATION

Oregon State University

JUNE 2018

Bachelor of Science in Computer Science (**GPA: 3.72/4.00**)

TECHNICAL SKILLS

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

Visa Inc.

Palo Alto, CA

Senior Data Engineer - Data Platform

NOV 2021 - PRESENT

- PaaS Team: Java, Bash, SQL
 - Working 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.
 - Build and developed the Next-Gen platform as a service solution.

Brandon Lo Consulting

Remote

Software Engineer

AUG 2021 - AUG 2022

- 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, 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.

PROJECTS

[GITHUB.COM/BKLO94](https://github.com/BKLO94)

Multithreaded Job Mapping App: C, Python, PostgreSQL, HTML/CSS, Javascript

- The app aggregates all available software engineering jobs in the US and renders an interactive map.
- Utilized OpenMP and C to call and parse 250k+ requests per minute for job data from multiple APIs.
- Created an interactive geo-location map and table with Leaflet and Mapbox API.
- Implemented multithreaded sockets to stream data into the Postgres database.