

BRANDON LO

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WORK EXPERIENCE

Splice Machine, San Francisco, CA

SEPT 2018 - PRESENT

Cloud Engineer

- Setup and maintained kubernetes platform on AWS.
- Developed automated end to end pipelines of kubernetes in EKS and GKE.
- Built and managed pipelines for Docker images with Docker in Docker.
- Piloted the migration from an on-prem Jenkins towards a k8s Jenkins to improve the team's velocity.
- Leveraged Jenkins Slack plugin API to run and return status of pipelines in Slack.
- Deployed EC2 infrastructure with terraform and ansible to setup big data clusters.

Build and Release Engineer

- Managed releases of all software components on a Nexus repository and Amazon S3.
- Designed and implemented a pipeline to create, test, and deploy our standalone artifact.
- Built a tool to streamline the existing build pipeline by 60%
- Identified issues in the test infrastructure which reduced build time by 66% and increased reliability.
- Created and integrated a custom service for Cloudera and MapR big data platforms.
- Deployed Windows and Linux images onto the colo infrastructure and setup big data clusters.
- Implemented System Security Securities Daemon with AD/LDAP for cluster security.

Database Corporation, South San Francisco, CA

JUN 2016 - SEPT 2018

Staff Accountant

- Filed taxes and other various accounting tasks for over 70 companies using Quickbooks.
- Drove a switch from paper documentation to digital documentation.

Payroll Easy, South San Francisco, CA

JUN 2015 - DEC 2015

Payroll Specialist

- Distributed and processed payroll checks and deposits for over 60 companies using Pensoft.
- Handled all changes to payroll, 401k, new hires, terminations, PTO, garnishments, and auditing.

PERSONAL 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.

EDUCATION

Oregon State University

JUNE 2018

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

TECHNICAL SKILLS

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

Technologies: Apache Hbase, Apache Spark, PostgreSQL, MySQL, Git, Maven, Terraform, Ansible, Rancher, Docker, AWS, Azure, GCP, LDAP, Kerberos, Helm, Active Directory, Kubernetes, Jenkins, Esxi 5.5/6.0, DNS, DHCP