BRANDON LO

(650) 892-8981 | mail@brandonkitlo.com | https://brandonkitlo.com/

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

Brandon Lo Consulting   Remote
Software Engineer   AUG 2021 - PRESENT
- 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 ephemberal 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.
  - Constructed CI/CD pipelines for our artifacts which were deployed at 3 Fortune 500 companies.
  - 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

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.

CSimple Compiler: C++, x86 Assembly, Python
- The compiler takes a C like source language and translates it to linkable x86 ASM target language.
- Programmed the compiler consisting of a scanner, parser, abstract syntax tree and generator.
- Built a simple cli with python and bash to interact with the compiler and source code.