

## SKILLS

<b>PROGRAMMING</b>	Python, JavaScript, Go, Java, Bash, Scala, Ruby, C/C++/C#, SQL, Django, Flask, Node.js, Ruby on Rails
<b>INFRASTRUCTURE</b>	Docker, Kubernetes, Jenkins, Groovy, CloudFormation, Datadog, Prometheus, Grafana, Splunk, Ansible
<b>DATA/DATABASES</b>	MySQL, PostgreSQL, NoSQL, MongoDB, Snowflake, Redis, Airflow, PySpark, Hadoop, Kafka, Flink
<b>CLOUD/Frameworks</b>	AWS, Azure, GCP, ReactJS, Express, VueJS, Angular, jQuery, NextJS, TypeScript, Redux, FastAPI, RestAPI

## EXPERIENCE

### Trimble, Software Engineer - SRE Intern

May 2021 — Aug 2021

*Python, AWS, Jenkins*

*Seattle, WA (Remote)*

- Developed and tested a context-switch feature in a **Python based CLI tool**, enabling users to smoothly transition between **AWS** cloud environments. Enhanced **CI/CD pipeline** automation by integrating the CLI tool's functionality with a middleware to reduce manual intervention in deployment process. Resulted in a **95%** reduction in **weekly deployments**, from **2 hours** to **5 minutes**.
- Managed weekly **builds and deployments**, enhancing the release process through automation efforts utilizing **Jenkins**. Designed and implemented automation workflows for **2 cross-functional** agile teams struggling with manual deployment challenges. Contributed to saving **10 hours** weekly, enabling teams to focus on higher-value tasks.
- Refactored the **Jenkins** build/deployment workflow for internal documentation pages. Created a universal base AMI for Jenkins build machines and utilized **CloudFormation** to deploy new AMIs. Developed an automation script using **Python** and **Bash** to revise Jenkinsfiles across **50+** repos. Collaborated with DevOps teams to streamline the deployment process, which resulted in a **70%** reduction in manual labor and **3x** increase in process speed compared to the previous manual method.

### Oracle, Software Consultant - NetSuite Specialist

Nov 2019 — Jul 2020

*Python, Node.js, Express*

*Denver, CO*

- Prototyped a skill-matching application on **Airtable** to optimize the sales team's consultant staffing process. Upgraded the prototype into a single-page application using **Node.js** and **Express**, enabling hiring managers to sort consultants based on their relevance to business needs using word2vec and K-means clustering. Reduced the sales team workload by **10+ hours weekly**.
- Analyzed and structured 150+ contracts across Payroll, HR integrations, and IT initiatives worth **\$700k**. Leveraged internal contract management software and achieved a **\$350k** budget reduction, reallocating funds for further project opportunities.

### Oracle, Software Consultant - NetSuite Associate

Jul 2018 — Nov 2019

*Python, JavaScript, SQL*

*Denver, CO*

- Designed, developed, and tested a utility program for Data Migration services, leveraging **Python**, **PySpark**, and **Hadoop** to address common data transformation use cases for NetSuite format. Orchestrated workflows using **Apache Airflow** for transformations and uploads. Integrated **RESTful API** for data uploads, resulting in a **35%** reduction in data migration hours.
- Led the implementation of NetSuite Oracle ERP for **20+** businesses including the generation of custom financial reports using **Oracle SQL**, resulting in **25%** higher financial reporting accuracy and a **30%** reduction in manual data entry efforts.

### Goldman Sachs, Data Analyst - Reference Operations

May 2017 — Aug 2017

*Python, SQL, VBA*

*Salt Lake City, UT*

- Identified **3,000+** customer account records requiring reformatting using **SQL queries** and implemented a **Python** script to automate data reformatting. Resulted in a reduction of an estimated **50 hours saved** in manual review and update time.
- Mitigated compliance risks by verifying client data for transactions up to **\$1M+**, resulting in a **97%** decrease in account errors.

## PROJECTS

### K-Town KBBQ Data Dashboard

*Node.js, Express, MongoDB*

- Implemented an interactive data dashboard, providing an insightful overview of restaurant operations using **Node.js**, **Express**, **MongoDB**, **React**, and **Chart.js**. Integrated 3 critical data sets: online reviews, transaction data, and employee time sheets.
- Utilized data analysis to identify over-staffed shifts, resulting in a **5%** reduction in labor costs (**\$110k/year**). Improved customer experience by classifying under-staffed shifts, raising one location's ratings from **3.6** to **4.3 stars**.

### Student Project Matcher

*Python, Flask, PostgreSQL*

- Created a web application to help professors match students for group projects based on similar interests in SWE career paths or technologies. Utilized **Python**, **Flask**, **PostgreSQL**, and **LinkedIn API** for data mining to identify **top 20 skills** for each career path.
- Estimated an increase in successful student-group pairings, projecting that around **15 future CSPB 3155 students** per semester would be matched with groups based on shared interests and skills, enhancing collaboration and project outcomes.

## EDUCATION

### Bachelor of Science in Applied Computer Science, University of Colorado at Boulder

Dec 2022

Relevant Courses: Data Structures, Algorithms, Computer Systems, Software Development Methods and Tools, Principles of Programming Languages, Linear Algebra, Data Mining, Artificial Intelligence, Data Science with Probability and Stats, Cyber Security

### Bachelor of Science in Business Administration, University of Colorado at Boulder

May 2018