

SKILLS

PROGRAMMING	Python, JavaScript, Go, Java, Bash, Scala, Ruby, C/C++/C#, SQL, Django, Flask, Node.js, Ruby on Rails
INFRASTRUCTURE	Docker, Kubernetes, Jenkins, Groovy, CloudFormation, Datadog, Prometheus, Grafana, Splunk, Ansible
DATA/DATABASES	MySQL, PostgreSQL, NoSQL, MongoDB, Snowflake, Redis, Airflow, PySpark, Hadoop, Kafka, Flink
CLOUD/Frameworks	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