

SKILLS

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|-----------------------|---|
| PROGRAMMING | Python, Java, Scala, Bash, Javascript, C++, C, SQL, Django, Flask, Groovy |
| INFRASTRUCTURE | Docker, Kubernetes, Jenkins |
| DATA/DATABASES | MySQL, NoSQL, Snowflake, DynamoDB |
| CLOUD | AWS (EC2, ECR, Lambda, RDS, S3, IAM), Heroku |

EXPERIENCE

Trimble, Software Engineer - SRE Intern

May 2021 — Aug 2021

Python, AWS, Jenkins

Westminster, CO (Remote)

- Developed a **Python** and **Bash** script for the automatic rollout of refactored Jenkinsfiles to specified repositories and branches. Collaborated with DevOps teams to streamline the deployment process, resulting in **70%** reduction in manual labor time. Improved the process speed by **300%** compared to the previous manual method.
- Enhanced release automation by extending **Python CLI** internal tools for image building and deployment in targeted environments, resulting in a **85%** reduction in deployment time (from 2 hours to 30 minutes). Additionally, the extended tools significantly minimized the need for manual intervention, leading to a smoother and more efficient deployment process.
- Demonstrated initiative by building a **Jenkins Pipeline job** to automate the release process, creating a **Minimum Viable Product (MVP)**. I gathered feedback from 5 engineers and the team lead, and after a comprehensive code review and rigorous testing, the automated process was successfully released to production. The extended tools and MVP streamlined deployments and minimized manual intervention for optimal efficiency.
- Assumed responsibility for planning, designing, configuring, documenting, and administering **Snowflake** Servers, including defining the **Role-Based Access Control (RBAC)** structure. Managed and addressed **JIRA** tickets related to Snowflake Servers, ensuring timely and effective resolution.
- Maintained solutions to automate software deployments and infrastructure provisioning to **AWS** environments.

Oracle, Software Consultant - NetSuite Specialist

Nov 2019 — Jul 2020

Python, SQL, ???

Denver, CO

- Scoped over 150 contracts for Payroll & HR implementations, change orders, and ad-hoc projects.
- Collaborated with cross-functional teams to determine implementation approaches, based on business requirements.

Oracle, Software Consultant - NetSuite Associate

Jul 2018 — Nov 2019

Python, SQL, ???

Denver, CO

- Gathered business requirements and led over 20 ERP implementations for mid-market and starter clients.
- Designed workflows to automate routine business processes and helped end-users adopt new procedures.

Goldman Sachs, Data Analyst - Reference Operations

May 2017 — Aug 2017

Python, VBA, ???

Salt Lake City, UT

- Built an Excel Macro to restructure over 3,000 accounts, reducing manual review and update time for project team.
- Managed risk by ensuring quality data and accounts were encoded correctly, reducing negative downstream impacts.

PROJECTS

Project Grouper

Python, Flask, SQLAlchemy

- Developed a web app for students to post and join group projects, with others students that have similar interests.
- Worked with Flask (Python web framework), SQLAlchemy, and deployed on Linode.

YouTube Screen Time

Python, YouTube Data API, SQLite

- Developed an interactive web dashboard for monitoring YouTube viewing history by video category.
- Worked with YouTube Data API, Google Takeout, SQLite3, Dash (Python dashboard framework).

Gender Race Disambiguation - Undergraduate Research Assistant

Python, Java, IBM GNM API

- Assigned gender and race to over 45,000 patent examiners and lawyers; to research if bias existed within the random assignment and review process of intellectual property.

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, Discrete Structures, Data Mining, Artificial Intelligence, Data Science with Probability and Statistics, Cyber Security

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

MAY 2018