Daniel Bae
Software Engineer

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SKILLS

PROGRAMMING	Python, Java, JavaScript, Scala, Bash, C, C++, SQL, Django, Flask, Node.js
INFRASTRUCTURE	Docker, Kubernetes, Jenkins,
DATA/DATABASES	MySQL, MongoDB, NoSQL, Snowflake, NumPy,
CLOUD/WEB/OTHERS	AWS (EC2, ECR, Lambda, RDS, S3, IAM), ReactJS, Express, Tailwind, Mongoose, RestAPI

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.
- Streamlined release automation by extending **Python CLI** internal tools, resulting in an **95%** time reduction in weekly deployments (2 hours to 5 minutes) and minimizing manual intervention. Showcased initiative by creating a **Jenkins Pipeline** MVP for automated release, involving feedback from engineers, comprehensive code review, and successful production release.
- Assumed responsibility for planning, designing, configuring, documenting, and administering **Snowflake** Servers.
- 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*
- Collaborated with cross-functional teams to determine optimal implementation approaches, based on business requirements.
- Scoped over 150 contracts (totaling around **$700k**) for Payroll & HR implementations, change orders, and ad-hoc projects.

Oracle, Software Consultant - NetSuite Associate   **Jul 2018 — Nov 2019**
Python, SQL   *Denver, CO*
- Developed workflows to **automate** routine business processes, executed **data migration** services, customized transaction and item forms, conducted user acceptance testing, and created custom financial reports using **SQL**.
- Gathered business requirements and led over 20 implementations for mid-market software clients and small businesses.
- Assisted businesses in achieving compliance with Revenue Recognition ASC 606 policies, ensuring accurate financial reporting and alignment with industry standards.

Goldman Sachs, Data Analyst - Reference Operations   **May 2017 — Aug 2017**
Python, VBA   *Salt Lake City, UT*
- Built an **Excel Macro** to reformat over **3,000** account names, reducing manual review and update time for project team.
- Managed risk and maintained regulatory compliance by meticulously verifying client account data and documents, ensuring alignment with industry regulations and standards. This verification process facilitated accounts to execute transactions.

PROJECTS

Project Grouper
Python, Flask, SQLAlchemy
- Developed a web app for students to find, post, and join group development projects with others that have similar interests in specific technologies or career paths.
- 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 like education and vlogs.
- 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