

GRANT BALDWIN

e-mail gkbaldwin2002@gmail.com
phone 404-414-2842
github github.com/eyz11327
citizenship United States of America citizen

PROFESSIONAL EXPERIENCE SYSTEMS ENGINEER II

Apr '25 – Present

Charter
Communications

- Identified, developed, and deployed an automation reducing small cell install time by 30+ minutes, projected to save the company \$100k by the end of the year.
- Performed a complete re-architecture and refactor on an existing 5G automation to fix consistent reliability, timeliness, and accuracy issues on 3000+ performance indicators for millions of GNBs.
- Developed an Ansible playbook to deploy a database server with Postgres + Timescale and integrated LDAP user logins to significantly reduce database user management over time.
- Ensured 99% uptime, monitoring, alerting, consistency, accuracy, and up-to-date documentation on 30+ ETLs all developed and owned by me.
- Sole product owner and developer on all 5G automation workflows, supporting multiple full-time data scientists across various teams in the organization.
- Introduced and administered code reviews into the team's weekly workflow to ensure code quality, idea sharing, and continued learning for all technical team members.

Charter
Communications

SYSTEMS ENGINEER I

Mar '24 – Apr '25

- Won both the Q3 Quarterly Excellence Award (Aug '24) and the Above and Beyond Award (Oct '24)
- Worked with non-technical users across several teams to develop a chat bot used hundreds of times per day providing concise, real-time information on access point information.
- Rapidly developed and deployed a breakfix automation to stifle a botnet resulting in quick, easy identification of infected access points, alongside incorporating extensive graphing and alerting on the project using Prometheus and Grafana.
- Created a cookiecutter project structure to ensure consistency across the team's developments.
- Introduced modern Python practices (e.g., linting, type hinting, virtual environments) improving code clarity, security, and team efficiency
- Developed and deployed several large, containerized ETL automations in Python. One of these ETLs reduced critical missing data from 6% to 0.6% for the team's data scientist

Charter
Communications

NETWORK AUTOMATION INTERN

June '23 – Aug '23

- Significantly refactored and deployed an automation directly impacting tens of thousands of customers to be more readable, maintainable, and to work as expected.
- Helped develop a robust common package for the team to utilize moving forward.

Pie Insurance

SOFTWARE ENGINEERING INTERN

May '22 – Aug '22

- Worked directly with the quoting team to create and update critical software used to generate insurance quotes, reducing average quote generation time by over 80%.

EDUCATION

Colorado School of
Mines

UNDERGRADUATE COMPUTER SCIENCE + BUSINESS MINOR

Aug '20 – Dec '23

- Won class-wide freshmen design competition using a Raspberry Pi running a custom AI.
- Dean's list in 2020 and 2021.
- Completed upper-level coursework in Computer Graphics, Operating Systems, Algorithms, Data Science, and Information Security & Privacy.
- Took a variety of high level non-coding classes including Risk Communication, Corporate Finance, and Business Strategy.

LANGUAGE PROFICIENCY

- Very proficient in Python and HTML + CSS
- Proficient in C, C++, and SQL
- Experience with Rust, TypeScript, Java, Kotlin, OCaml and RISC-V

FAMILIAR TECHNOLOGIES

- Ansible, Docker, Podman, Linux, Kubernetes, Redis, Grafana, Prometheus, Postgres, CI/CD, Git, SQLAlchemy, Google Apps Script, Wordpress

INTERESTS AND MOSTLY USELESS SKILLS

- Rock climbing, skiing, hiking national parks, online typing contests, and chess