

GRANT BALDWIN

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

PROFESSIONAL EXPERIENCE

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| <i>Charter Communications</i> | <p>SYSTEMS ENGINEER II <i>Apr '25 – Present</i></p> <ul style="list-style-type: none"> – 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 database re-architecture and code refactor on an existing 5G automation to fix consistent reliability, timeliness, and accuracy issues on 3000+ performance indicators for millions of small cell GNBs. – Resolved issues in an Ansible playbook meant to deploy a VM with Postgres + Timescale, and configured automated backup procedures using pgbackrest. – Ensured 99% uptime, monitoring, alerting, consistency, accuracy, and up-to-date documentation on 30+ containerized ETLs all developed and owned by me, and all deployed via Kubernetes. – Used packer to create a RockyOS image based on the internal compliance team's golden image, and ensured all Ansible playbooks and tasks were functional while migrating VM operating systems. – 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. |
| <i>Charter Communications</i> | <p>SYSTEMS ENGINEER I <i>Mar '24 – Apr '25</i></p> <ul style="list-style-type: none"> – 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 status. – Rapidly developed and deployed a breakfix automation to stifle a botnet resulting in quick, easy identification of infected access points, alongside incorporating 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. |
| <i>Charter Communications</i> | <p>NETWORK AUTOMATION INTERN <i>June '23 – Aug '23</i></p> <ul style="list-style-type: none"> – 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. |
| <i>Pie Insurance</i> | <p>SOFTWARE ENGINEERING INTERN <i>May '22 – Aug '22</i></p> <ul style="list-style-type: none"> – 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 SQL
- Proficient in C, C++, and HTML + CSS
- Experience with Rust, TypeScript, Java, Kotlin, OCaml and RISC-V

FAMILIAR TECHNOLOGIES

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

INTERESTS AND MOSTLY USELESS SKILLS

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