

# Alex Burkey

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alexburkey.com

## Work Experience

### Quindar

*Senior Platform Engineer*

Denver, CO

*Aug 2023 – Present*

- Increased team autonomy and reduced regular meeting size by taking a leading role in project management and fostering the growth of responsible SSDLC practices while ensuring little to no impact to customer delivery dates.
- Reduced release toil by over 90% by standardizing deployment workflows and creating a centralized release endpoint to deploy all services.
- Increased development velocity and reduced platform team toil by designing and executing a migration plan to a python monorepo.
- Created SLA dashboards with report generation to enable Customer Success and Support team across critical services and ensure contractual SLAs with customers were consistently met.
- Created automated on-call tooling and procedures to enable customer support during LEOP operations.

### Stripe

*Infrastructure Engineer*

Denver, CO

*Nov 2021 – June 2023*

- Removed +10 million DB calls per day, reduced Airflow incidents and reduced Airflow task startup time by refactoring dependency graph compilation.
- Prevented RDS instance from running out of client connections as Airflow worker cluster scaled by creating a containerized connection pooling service
- Saved 10% on EC2 costs by migrating Airflow Worker clusters to use EBS instead of on-instance storage.

### Charter Communications

*Senior Platforms Engineer*

Denver, CO

*Feb 2020 – Nov 2021*

- Reduced incident resolution times in CDN server group by +95% by delivering a data pipeline to ingest, enrich, and aggregate +15 billion log lines per day from all CDN servers.
- Led major version upgrade of Terraform code repo for over 50 apps with zero downtime.
- Increased stability of hourly ETL batch job by +95% by tuning Spark JVM and EMR configs.

### DynAgility LLC.

*Software Engineer - AWS Solutions Architect Associate*

Ashburn, VA

*Mar 2018 – Jan 2020*

- Added over \$1,000,000 of new contracts for client by building an ETL pipeline backing a web application.
- Decreased customer's AWS expenditures by converting data storage layer from Solr to AWS Redshift.

## Education

### Virginia Tech

*B.S. Computer Science*

Blacksburg, VA

- Coursework: Theory of Data Structures & Algorithms, Systems & Networking, Cloud Applications, Principles of Security, Cryptography