

Alejandro Martinez Gonzalez

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EXPERIENCE

Dish Wireless - Data Engineer, Oct 2022 – Present, Platform As A Service Team, Littleton, CO • Worked in a Scrum team to deploy the observability stack on the country wide telecommunication platform.

- Deployed multiple multi-region Confluent Platform Kafka Clusters with Continuous Delivery pipelines in Terraform and Ansible triggered by GitLab. Security compliant with SSL communication and RBAC authorization.
- Architected, developed and deployed the Observability team's GitOps Implementation to lint, build and deploy data pipelines onto PySpark and Python workers triggered by Airflow.
- Developed key Performance Metric pipelines in PySpark transforming and producing TBs of data to Kafka for clients to consume and analyze.
- Developed Fault Metric pipelines in PySpark that would leverage Kafka Topic Compaction to transform and load active fault alarms from Prometheus.
- Participated in VMWare Explore 2023 sponsored by Dish Wireless.

CS@Mines - U-Climb Mentor, Aug 2020 – Jan 2020, Colorado School of Mines, Golden, CO • Teaching Assistant job for CSCI 101, while also a mentor job for newcomers to the Computer Science department.

- Teaching and aiding during lectures and hosting office hours for the students.
- Creating review sessions for exams and grading exams and assignments.
- Meeting with mentees to ensure the transition into the department is smooth and simple while keeping a friendly, but also professional, relationship with them.

Outsized Opinions - Freelance Part-Time Consultant, Jan 2022 – Present Burbank, CA • Worked on several features and projects aiding a small family owned business deploy and maintain their web application. Providing guidance and assistance on demand to run workloads at scale.

- Created email confirmation for new users, including the HTML formatting embedded within it.
- Migrated database from SQLite to a production ready PSQL database. Created backups, relations, and handled conflicts within the existing data ending in a secure and dependable database.
- Migrated platform out of AWS Lightsail. Beginning with the Integration environment to start applying better practices for better performance and enablement of future demand based horizontal scaling.
- Performed a knowledge transfer on the Well Architected Framework for the product hosted in AWS. Which included topics such as high availability and disaster recovery with low RTO and RPO. It also included CICD Automation for the platform and multi-cloud considerations and future feature deployments.

EDUCATION

Colorado School of Mines May 2022 Bachelors of Science, Computer Science - Data Science Track

- GPA: 3.018, Major GPA: 3.25 • Awards: Most Technical Project, Field Session 2017 • Leadership: CS@Mines Justice, Equity, Diversity and Inclusion representative, 2020 FSL Homecoming Concert Organizer.

OTHER

- **Technical Skills:** Kafka, Ansible, Terraform, Git, SQL, PySpark, AWS, Python, Java, ReactJS, Linux
- **Certifications & Training:** AWS Certified Solutions Architect Associate, AWS Certified Cloud Practitioner
- **Languages:** English (fluent), Spanish (native),