

# Alejandro Martinez Gonzalez

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## SKILLS

- **Technical:** Ansible, Terraform, Git, Kubernetes, Docker, SQL, PySpark, Kafka, Airflow, Datadog, Grafana, VSphere, VCenter, TCA, Prometheus, Python, Java, C, Multiprocessing, Multithreading, ReactJS, Nginx, Linux, Yarn, RBAC, SSL, Agile, Jira.
- **Cloud (AWS):** EC2, ECS, EKS, VPC, Route53, ACM, PCA, CloudFront, RDS, DynamoDB, Redshift, S3, Athena, Glue, QuickSights, MSK.
- **Certifications:** AWS Certified Solutions Architect Associate, AWS Certified Cloud Practitioner.
- **Other:** English (fluent), Spanish (native). Citizen of the USA and Spain.

## EXPERIENCE

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

- Led the deployment of 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, test and deploy data pipelines onto PySpark and Python nodes triggered by Airflow.
- Was the lead developer of key Performance Metric pipelines in PySpark transforming and producing TBs of data to Kafka for clients to consume and analyze.
- Reimagined and refactored existing Fault Metric pipelines in PySpark that would leverage Kafka Topic Compaction to transform and load active fault alarms from Prometheus which drastically improved processing.

**Outsized Opinions - Freelance Part-Time Consultant, Jan 2022 – Present** Burbank, CA

Worked on several features and projects aiding a family owned business deploy and maintain their web application.

- 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. Introduced an integration environment, to start applying better practices for better performance and enablement of future demand based horizontal scaling.
- Architected the future cloud infrastructure with 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.

**CS@Mines - U-Climb Mentor, Aug 2019 – 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.

## EDUCATION

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

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