DUSTIN FAY

Software Engineer
Cloud | Data | DevOps

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Denver, CO

PROFILE

Highly skilled Software Engineer with a strong background in cloud technologies, automation, and data engineering. Proven expertise in designing and maintaining scalable and efficient systems. Seeking to leverage my technical prowess to drive innovation and deliver high-quality software solutions

SKILLS

Programming Languages: Python, Java, Groovy, SQL, Bash
Cloud Frameworks: Serverless, Terraform, CloudFormation
Cloud Services: AWS, ECS, Lambda, SNS, SQS, Kinesis, EC2, VPC
Database/Storage: Redshift, RDS, Postgres, MySQL, DynamoDB, S3, Athena
Data Processing: Alembic, Airflow, Pandas, SqlAlchemy, Parquet, Glue
CI/CD: Jenkins, Concourse, TeamCity, Maven, Nexus, Artifactory
Version Control: Git, Github, Gitlab, Perforce
Other: Unix, Docker, Vagrant, Ansible, Sentry, New Relic, DataDog, ELK, Prometheus

EXPERIENCE

Serverless Software Engineer / Cloud Engineer   2019 - Present
Comcast (via Turnberry Solutions)

- Oversee the engineering of consumer privacy compliance cloud services leveraging scalable infrastructure on AWS.
- Spearhead greenfield applications from conception to completion.
- Design, develop, deploy, and test application logic with scheduled and event-driven idempotent processes involving synchronous and asynchronous communications with hundreds of external systems.
- Provision and maintain resources using infrastructure as code.
- Containerize a unified development and deployment environment.
- Create CI/CD pipelines enforcing code coverage and quality controls.
- Overhaul initial MVP optimizing architecture and application logic
  - Optimize database session management to substantially reduce cost
  - Normalize database and deliver nuanced application configurability
  - Publish internal Python libraries containing shared logic and resources
  - Renegotiate data delivery protocols to implement an optimized architecture supporting large data sets by using Amazon S3, Glue, Parquet, and Athena

Data Engineer   2017 - 2019
MediaNews Group

- Developed, maintained, and monitored a Redshift data warehouse.
- Designed data models, views, and Airflow ETL pipelines to process and store large datasets.

Test Automation Engineer   2017 - 2017
Charter Communications

- Built and maintained automated regression tests in Groovy and Java for continuous testing of Charter's platforms and services.

Web Developer / DW Manager / IT Consultant   2015 - 2017
Bold Betties

Development and technology consultation:

- Web development using Shopify's CMS

Management and consultation for early stage data warehouse project:

- Development of Python scripts to automate data pipelines
- Consume RESTful APIs, translate, and stage data in S3 for SQL warehouse
- Manage Digital Ocean & AWS Linux instances

EDUCATION

B.S. Computer Science, 2017
Metropolitan State University of Denver

As an engineer with a B.S. in Computer Science, I possess a solid foundation in software development and a passion for exploring emerging technologies