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Pat Thomas

Senior Amazon Data Engineer

Amazon Data Engineer with ten years of experience building scalable data solutions on AWS. Skilled in Redshift, Glue, and Athena to deliver performant analytics platforms.

PROFESSIONAL EXPERIENCE

DATA ENGINEER | AMAZON WEB SERVICES (AWS), SAN FRANCISCO, CA
AUGUST 2017 – PRESENT

- Designed and operated Redshift clusters handling 100 TB+ of customer data, optimizing distribution keys to improve query speed by 60%
- Automated ETL with AWS Glue, processing daily ingestions of 5 TB into S3 and Redshift
- Developed Athena data catalogs and secured queries with IAM policies
- Mentored eight junior engineers on AWS best practices and cost-optimization strategies

DATA ENGINEER | STARTUPX, SAN FRANCISCO, CA
JUNE 2010 – JULY 2017

- Built Python Lambdas to ingest API data into S3, triggering Glue crawlers
- Created CloudFormation templates for consistent environment deployment
- Monitored data quality with AWS DQ Framework, reducing errors by 85%
- Documented pipeline architectures and conducted weekly knowledge-share sessions

EDUCATION

B.S. in Software Engineering | University of California
Berkeley, CA | May 2015

CERTIFICATIONS

- AWS Certified Data Analytics – Specialty, September 2020

CONTACT

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 LinkedIn | Portfolio

 San Francisco, CA

KEY SKILLS

- Amazon Redshift & Glue
- AWS Lambda & S3
- Athena & IAM security
- CloudFormation & cost optimization