

PT

# 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