

# SYED SHAH ARHAM

Cloud Engineer & AWS Enthusiast

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## PROFESSIONAL SUMMARY

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Aspiring AWS Cloud Engineer with hands-on experience designing and implementing automated cloud infrastructure and ETL data pipelines. Proficient in AWS (EC2, S3, Lambda, EventBridge, CloudFormation, SQS, SNS, Glue, Redshift), Apache Airflow, Docker, and Snowflake, Python, SQL. Passionate about architecting scalable, serverless cloud solutions and turning raw data into actionable insights.

## TECHNICAL SKILLS

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- **Cloud Platforms:** AWS (VPC, EC2, S3, Lambda, IAM, EventBridge, SQS, SNS, Glue, Athena, RDS, ALB, ASG, Route 53)
- **Workflow Orchestration:** Apache Airflow, Automated ETL Pipelines
- **Infrastructure as Code (IaC):** Terraform, CloudFormation, HCL
- **Data Warehousing & Databases:** Amazon Redshift, Snowflake, DynamoDB, SQL Server, MySQL
- **Networking & Security:** Multi-AZ Architecture, NAT Gateways, VPC Flow Logs, Security Groups/NACLs, High Availability (HA)
- **Programming & Scripting:** Python, SQL
- **Version Control:** Git, GitHub

## PROJECTS

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### Secure AWS VPC Infrastructure with Terraform | Personal Project | 2026 [Github Url](#)

- A production-grade, multi-AZ VPC built with Terraform featuring a three-tier subnet architecture, NAT Gateway, VPC Endpoints, ALB, RDS, and Flow Logs for full network security and observability.
- **Tech Stack:** Terraform, AWS VPC, EC2, ALB, RDS, NAT Gateway, VPC Endpoints, CloudWatch

### Multi-AZ Web App: ALB + Auto Scaling Group | Personal Project | 2026 [Github Url](#)

- A high-availability web application deployed across 2 Availability Zones with an ALB and Auto Scaling Group, tested under real failure conditions by terminating live instances mid-traffic with zero downtime.
- **Tech Stack:** AWS EC2, ALB, Auto Scaling Group, Launch Template, VPC

### Real-Time Weather Forecasting | Personal Project | 2025 [Github Url](#)

- A robust serverless data pipeline designed to automate the collection, processing, and visualization of weather forecast data.
- **Tech Stack:** AWS Lambda, EventBridge, S3, Snowflake, Python, Looker Studio

### LakeToWarehouse: AWS S3 to Glue to Redshift Pipeline | Personal Project | 2025 [Github Url](#)

- An end-to-end AWS data pipeline using S3, Glue Crawler, Athena, and Redshift to ingest, catalog, transform, and deliver data for analytics.
- **Tech Stack:** AWS S3, Glue, Athena, Redshift, Python

### AWS Stock Data Pipeline | Personal Project | 2025 [Github Url](#)

- A fully serverless, event-driven ETL pipeline on AWS. The system generates and processes synthetic stock market data.
- **Tech Stack:** Lambda, S3, SQS, Lambda, DynamoDB

## EDUCATION

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**Bachelor of Science – Cybersecurity** | Dawood University of Engineering and Technology | Oct 2024 – Present

**Intermediate (Pre-Engineering)** | Government National College Karachi | 2022 – 2024

**Secondary School Certificate (Matric)** | The City Grammar School | 2010 – 2022

## CERTIFICATIONS

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Cloud Data Engineering | Saylani Mass IT Training | Completed Feb – Nov 2025

AWS Developer Associate (DVA-C02) by Stephane Maarek | Udemy | 2026