

Syed Umer Hasan

Senior Software Engineer | Full Stack & Cloud Infrastructure

4x AWS, 1x Google Cloud, 1x Terraform, 2x Databricks Certifications

Austin, Texas | [+1\(223\)-282-1168](tel:+1(223)-282-1168) | umerhasan2010@gmail.com

[LinkedIn](#) | [GitHub](#)

PROFESSIONAL SUMMARY

Highly motivated Full Stack Engineer with extensive experience in frontend and backend technologies, cloud infrastructure, and DevOps practices. Skilled in designing scalable, secure systems, automating processes, and leading technical teams. Proven ability to work under pressure, meet tight deadlines, and solve complex problems. Holds multiple certifications in AWS, Google Cloud, Databricks, and Terraform. Seeking to contribute my skills in software development and cloud infrastructure.

EDUCATION

Fitchburg State University — Masters in Computer Science (Graduated - May 2024)

National University of Computer and Emerging Sciences — Bachelor of Science in Computer Science

PROFESSIONAL EXPERIENCE

PORCHPASS, Austin, TX

Full Stack Engineer (Sep 2023 – Present)

- Managed and automated the entire company infrastructure across multiple Organizational Units (OUs) on AWS, using Terraform for Infrastructure as Code (IaC).
- Deployed and maintained a scalable serverless architecture leveraging AWS Fargate, KMS, Elastic Load Balancing (ELB), ECR, Lambda, and Cognito, ensuring seamless, secure, and compliant infrastructure provisioning.
- Developed a highly automated environment, reducing manual deployment tasks by 50% and enhancing infrastructure consistency across environments.
- Enhanced system reliability and scalability by implementing monitoring and observability using Datadog, establishing proactive incident response and troubleshooting processes.

OUTLIANT, Austin, TX

Full Stack Engineer (Jun 2022 – Dec 2022)

- Designed and implemented a robust ETL pipeline on Google Cloud for a U.S. grocery chain, utilizing Google Cloud Databricks and Apache Spark to process and transform large datasets.
- Created a centralized data lake using Google Cloud Storage to store raw and processed data, enabling scalable data warehousing and supporting advanced analytics.
- Integrated Google BigQuery for efficient data querying and real-time analytics, streamlining the reporting process and facilitating business insights.

TASKWORLD, Bangkok, TH

Full Stack Engineer (Nov 2021 – Dec 2022)

- Led a team to design and implement a scalable and robust real-time chat module for both web and mobile apps built with Flutter using AWS Infrastructure.
- Employed FluxCD for GitOps-driven continuous deployment, enabling streamlined and automated updates to Kubernetes clusters, which improved deployment efficiency and reduced downtime.
- Optimized the system architecture to ensure cross-platform reliability and seamless communication across web and mobile applications, enhancing the user experience in real-time interactions.

AVANZA SOLUTIONS, Karachi, PK

Software Engineer (Jan 2021 – Nov 2021)

- Implemented a KYC module for multiple banks in the Middle East and Pakistan, automating customer onboarding and debit card generation.
- Implemented an ATM management system for efficient transaction handling and operational oversight.

VIDIZMO, Karachi, PK

Full Stack Engineer (Aug 2020 – Dec 2020)

- Developed a Digital Evidence Management System with Micro Frontends for scalability.
 - Ensured compatibility with IE 6 for law enforcement agencies (LEA).
 - Customized change detection by removing zone.js and implementing custom Angular zones.
 - Implemented audio and video redaction features, closed captioning for videos
-

KEY PROJECTS

- Scalable On-Demand Video Application with Angular Micro Frontends
 - Real-time cross-platform Chat Application for mobile and web
 - Audio Redaction System using FFMPEG and PeakJS for audio visualization
 - Medallion Architecture Data Pipeline with Databricks for customer voucher distribution
 - Bluetooth Controlled Car with live video streaming
-

TECHNICAL SKILLS

Frontend Technologies

- 1) JavaScript (ES6+), TypeScript, HTML5, CSS3, GraphQL
- 2) React, Angular

Backend Technologies

- 1) NodeJS, Python, Go Lang, C#, PHP
- 2) NestJS, NextJS, FastAPI, ASP.NET MVC, .NET Core

Data Technologies

- 1) Databricks, PySpark, Hive DB - Data Warehouse, Data Lakehouse
- 2) Postgres SQL, DynamoDB, MongoDB, Firebase

Infrastructure Technologies

- 1) Terraform, Jenkins, GitHub Actions, CircleCI, Kubernetes, Docker
- 2) Datadog, AWS CloudWatch, ELK Stack (Elasticsearch, Logstash, Kibana)
- 3) AWS, Azure, Google Cloud, OpenShift, Cloudflare
- 4) Kafka, RabbitMQ, Pub/Sub, Redis

Cloud Technologies

- 1) AWS - EC2, ECS, ECR, Fargate, VPC, AWS Batch, S3, Organizations, AWS SSO, Lambda, EventBridge, CloudWatch
- 2) AWS - KMS, RDS, EBS, EFS, Route53, CodePipeline, CodeBuild, SNS, SQS
- 3) GCP - VMs, Cloud Storage, Functions, GKE, IAM, VPC, Organization, Cloud Run, BigQuery, Pub/Sub, AppEngine
- 4) Cloudflare - DNS, Tunnels, Cloudflare Pages, R2 Bucket
- 5) FluxCD, ArgoCD

Testing

- 1) Jest, Protractor, Playwright
 - 2) Unit test, E2E Test, Integration Test.
-

CERTIFICATIONS

- AWS Certified Cloud Practitioner
- AWS Certified Solutions Architect – Associate
- AWS Certified Developer – Associate
- AWS Certified Security – Specialty
- Google Cloud Associate Cloud Engineer
- Databricks Lakehouse Fundamentals
- Databricks Data Engineer Associate
- HashiCorp Certified: Terraform Associate
- Microsoft Azure Fundamentals

Credentials available on [Credly](#)