

Huzefa Tahir

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SKILLS

- Java | JavaScript | TypeScript | Python | Postgresql | Node.js | Spring Boot | kafka | FFMPEG
- AWS | Cloud Computing | CI/CD | Unit Testing | Lambda | OOP | SQS | EC2 | S3 | Elasticsearch | Docker
- Microservices | Distributed Systems | Backend | English

WORK EXPERIENCE

Livebazaar (Pre-seed startup)

Karachi, Pakistan

Backend Engineer

October 2022 – Current

- Ideated and designed a **microservice** architecture for the live commerce platform.
- Developed and maintained services using **NestJS**, **Spring Boot**, and **Python** to handle critical **backend** functionalities, such as product management, inventory tracking, and user authentication.
- Collaborated closely with cross-functional teams, including frontend developers, product and business teams to deliver a seamless live commerce experience.
- Utilized **AWS** services, including **EC2**, **S3**, **RDS**, and **ECS**, to host and manage the microservices infrastructure, ensuring high availability and scalability.
- Decreased response time of critical APIs by 70% by using **redis** as cache.
- Performed load/stress testing, unit/integration testing.
- Conceptualized and designed a multi-service system using **AWS ECS**, **AWS Lambda** and **Ffmpeg** to transcode videos uploaded by users into streamable formats.
- Experimented and implemented a recommendation system for videos. This was an extensive project with data collected from multiple services and fed into **AWS Personalize** to generate recommendations.
- Coached the team on video transcoding using Ffmpeg and how the transcoding and recommendation process works.
- Built dashboards using **Metabase** and **Postgresql** to facilitate teams to draw insights.

Airlift Technologies

Karachi, Pakistan

Associate Software Engineer

June 2021 – July 2022

- Designed an ETL pipeline for warehouse stock replenishment using python, AWS ec2 and snowflake data warehouse.
- Designed an ETL pipeline to collect data on stockists which was used to cancel their orders automatically, bringing delivery times of **90%+ orders under 30 minutes** from the **previous 70%**. Used Python Pandas, AWS EC2, PostgreSQL.

EDUCATION

National University of Sciences and Technology

Islamabad, Pakistan

BS in computer science (CGPA: 3.49)

Graduation Date: June 2022

- Major courses: Applied Physics, Data Structures & Algorithms, Database Systems, Object Oriented Programming, Web Engineering, Artificial Intelligence, Data Warehousing & Mining, Operating Systems, Computer Networks

LEADERSHIP EXPERIENCE

National University of Sciences and Technology

Islamabad, Pakistan

Class President

October 2018 – May 2019

- Acted as the liaison between administration and students. Represented and coordinated the student body of 400+ students.
- Organized a community service project and got the entire university batch to participate. Collected around PKR 500,000.