Shaheer H.

DevOps Engineer

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PROGRAMMING LANGUAGES

Python

JavaScript/ EcmaScript

TypeScript

C# (Unity API)

CLOUD SKILLS

Worked on AWS, Azure, and GCP

Infrastructure as a Code

CI/ CD Pipelines

Auto scaling and Load Balancing

Serverless Computing

Containerized Computing

Network & Object Storage

Databases Scaling

Monitoring and Logging

Events and Queues

Backups and Alerts

Cost Optimization

Advanced VPC Networking

Advanced Identity Management

Encryption and Security

ABOUT

As a Full Stack DevOps professional, I excel in optimizing processes, solving complex challenges, and enhancing system performance. My expertise spans both application development and infrastructure, allowing me to align solutions effectively with your organization's objectives.

KEY PROJECTS

Al Nafi Cloud (Cloud Labs Performing System)

Developed a multi-tier application with multiple containers and services on AWS. It accepts multiple local and international payment methods to get subscriptions and in-app currency to use resources (Virtual Machines). This tool allows launching a private virtual computer right in the browser with the help of AWS SDK, Apache Guacamole, and VNC connections with just 1 click. I developed and designed the whole architecture of this project, created VPC, and subnets, and deployed it. The application is utilizing AWS, Docker, Docker compose, Apache Guacamole, and TigerVNC)

Applications Monitoring Tool

Single-handedly developed a system to monitor DNS & Ping, test API status and response formats, and test HTML format (presence of elements). It allows scheduled tests that execute through Cloudwatch Events. It sends email alerts with reports & real-time notifications and audio alerts on the dashboard.

Chatwoot (Opensource)

I contributed to this and fixed build issues in Docker and Ruby gems packages. Later, I presented and deployed this solution on AWS for the support team to reply to messages on multiple platforms easily.

Learning Management System

I created a learning management system on an already existing website in Django and Nuxt 3, I created the whole LMS in this from Frontend, and Backend to Cloud Services. I used S3 and Cloudfront with signed urls to serve content with high speed and security.

MCQ Generator

Single-handedly developed and setup this system on Docker Compose with 3 microservices on AWS, it uses the Gpt-3.5 model using OpenAI API to generate quality content. It can generate MCQs using a list of topics and multiple parameters in an Excel sheet or using text input and it gives outputs in a downloadable Excel sheet. Tasks for each topic run on a separate threads.

Microservices for E-Learning Registration System

I worked as a team lead on this project, worked in the development of frontend, and backend, and designed the whole application architecture and application patterns for each microservices which consists of 5 microservices & utilizing many services on AWS. 90% of the Frontend is dynamic and integrated with a headless CMS & other services. It accepts local & international payment methods (such as Stripe, Easypaisa, Jazzcash & UBL IPG) with a cart and checkout system. It allows users to authenticate using Google & Facebook. These microservices are integrated with a data warehouse and communicate through API calls and message brokers.

FRAMEWORKS, TOOLS & LIBRARIES

Django & Django REST Framework

Flask & Fast API

Nuxt 3/ Vue

React (Basics)

Node & Bun Runtime

Express

Tailwind CSS

Selenium & Puppeteer

Beautiful Soup

Numpy and Pandas (Basic)

AWS SDK

Docker & Docker Compose

Cloudflare Tunnels & Ngrok

HaProxy, Nginx & Apache

Rabbit MQ

Redis

Pm2, Uvicorn & Gunicorn

Flutter

GetX State Management

Unity game engine

LANGUAGES

English

Urdu

EDUCATION

2023

UoPeople (Online, USA)
English as a second language

2021 – 2022   DROPOUT

FUUAST, Karachi
Bachelor of Computer Science

Video Dubbing Tool

Single-handedly developed a tool that translate subtitles from English to other languages, then convert them into chunks of audio and merge them with chunks of video while dynamically changing the speed of video based on the audio's length to match the duration, as every language has a different speed. The input is subtitle and a video and the output is dubbed videos in various languages. I used Python, Azure Text-To-Speech and FFMPEG to develop this tool.

Scrapper Pirates Bay

I scrapper pirates bay using Python, Selenium, and Beautiful Soup to links and information of list of topics, I used to manage multiple tabs at the same time in selenium to scrape the content and links asynchronously.

WORK EXPERIENCE

DevOps Team Lead at Al Nafi   (Jan 2023 - Present)

In my role as DevOps Team Lead at Al Nafi, I drove the creation of a cloud labs system on AWS for seamless machine launching and usage through browser-based interfaces. Additionally, I designed and implemented vital tools such as email verification and video dubbing, along with managing payment systems and email marketing. My expertise extends to AWS, CI/CD, load balancers, containers, and efficient server deployment using Nginx, ensuring optimal project outcomes and company success.

Full Stack Developer at Al Nafi   (Aug 2022 - Dec 2022)

As a Full Stack Developer and a pivotal team member, I played a vital role in the maintenance of various applications using Agile methodology. During my tenure, I spearheaded the transformation of Al Nafi's primary website. My responsibilities extended to the development of numerous APIs, encompassing Payment, Enrollments, Custom Authentication, Coupons, and much more.

Backend Developer at Al Nafi   (Dec 2021 - July 2022)

Oversaw the maintenance and optimization of websites specifically designed to streamline payment processing and enrollment operations within a Learning Management System (LMS). I transformed their applications from a monolithic to a three-tier architecture and successfully deployed it on the AWS platform, enhancing its overall performance and scalability.

CERTIFICATIONS

Information Security (Freecodecamp)	**Oct 2023**
AWS Educate Web Builder (AWS Educate)	**Sep 2023**
AWS for DevOps (LinkedIn)	**Jan 2023**
Serverless and Microservices for AWS (LinkedIn)	**Dec 2022**
Problem Solving (HackerRank)	**Sep 2021**