

Muhammad Armaghan

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Over the past 2 years, I have excelled in Backend Development with a strong focus on DevOps practices. As a versatile Full Stack Developer, I adeptly handle both backend and frontend technologies. From robust Node.js backend solutions to stunning Angular UIs, I constantly embrace new technologies to stay ahead. My future objectives include gaining valuable experience, expanding knowledge in emerging Backend and DevOps technologies.

Languages

Node.js	Express.js
JavaScript	TypeScript
Angular	Python
HTML5	CSS3

Databases

Clickhouse	MongoDB
MySQL	PostgreSQL
Elasticsearch	Redis

DevOps /Cloud /Tools

Nginx	pm2
Docker/Containers	Kubernetes (k3s)
Jenkins	DNSdist
KnotDNS	ELK stack
Apache Superset	Google Cloud Deployments
Azure Cloud Deployments	Bare Metal Deployments

Experience

IotaScale Pvt Ltd, Islamabad – Full Stack / DevOps

June 2022 – Present

My involvement is in developing and deploying various products as a Software Engineer and also involved in all phases of software development. Seamlessly

deploying application/product infrastructure on Google Cloud and VMware On-Premises servers.

Successfully orchestrated end-to-end deployment of diverse application services, including Go, Node.js, and Python encompassing MongoDB, ClickHouse, on both cloud and on-premise environments.

Helped created documentation and deployment guideline for multiple in-house products.

As a developer I helped in development and deployment of the following products.

Atrios (atrios.io)

Empowering ISPs, Telcos, and Homeowners with DNS-Based Security and Filtering Solutions. Unlock the power of content filtering, app blocking, and parental control features in one comprehensive package.

Helped in building APIs for filtering feature throughout application based on name, type, date, num of days.

Helped in building APIs for storing DNS queries response to the database for historical data analysis.

Helped in building APIs for User Login and Signup Using Role Management through Administrator verification.

Helped setup dev and prod environments on multiple clouds as well as on-premises server using VMs.

Firefly (Full Stack)

I helped in engineering a powerful system that crawls URLs based on targeted keywords, efficiently filters them by their online accessibility, and seamlessly inserts the results into a robust database.

One of the key highlights of this application lies in its dynamic percentage allocation for each process within the backend.

Through careful optimization, I have implemented an intelligent algorithm that dynamically adjusts the resource allocation to ensure optimal performance and efficiency throughout the entire workflow.

Helped in cleaning extracted URLs (only getting TLDs, Removing Duplications) before inserting them into database.

Helped in integrating Backend APIs with other services written in Go.

Slight development on the UI side (Angular).

Helped setup development and production environments across various cloud platforms and on-premises servers using virtual machines (VMs).

Octane (Backend & DevOps)

I played a key role in developing and managing the "Octane - Unified Operations Center." This cutting-edge application offers advanced URL, IP, and VPN filtering and whitelisting capabilities, seamlessly integrated with Sandvine DPI for enhanced performance.

Helped in building user APIs and role-based Login/Signup.

Helped in building APIs for Licensing (yearly/monthly license) Module.

Helped setup dev and prod environments on multiple clouds as well as on-premises server using VMs.

Meridian Software Technology Park – Software Engineer

sept 2021 – May 2022

During my one-year experience as a Node.js developer, I had the opportunity to work on various exciting projects and expand my skills in backend development. One of the notable projects I contributed to involved building a robust API for a large-scale Power BI platform.

Final Year Project – Twitter Sentiment Analysis

Feb 2020 – Aug 2020

Developed a Web Application "Twitter Sentiment Analysis" for insight of twitter trends and sentiment analysis using React, Node.js, MongoDB and Kafka for big data management.

Education

International Islamic University, Islamabad

BSSE – 3.23 CGPA, 2016 – 2020