

# Muhammad Armaghan

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For the past 2 years, I've excelled in the dynamic realm of Backend Development with a strong focus on DevOps practices. But my skills and passion go beyond the boundaries of a traditional Backend Developer. I'm a true Full Stack Development virtuoso, well-versed in both backend and frontend technologies. From crafting robust Node.js backend solutions to crafting stunning Angular UIs, I've relentlessly embraced new technologies to stay at the cutting edge. Looking ahead, my focus remains on accumulating invaluable experience and deepening my knowledge of emerging technologies. I am eager to take on new DevOps responsibilities, seamlessly integrating development and operations to enhance efficiency and streamline processes in the world of software development.

## 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 Developer

*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 have development and deployment contribution in 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.

#### **Firefly (Full Stack)**

I have engineered 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.

### **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.

### **Crypteva (crypteva.io)**

I contributed to the creation of Crypteva's groundbreaking website. Crypteva, a trailblazer in crypto-agility and PKI as-a-Service, empowers organizations of all sizes to effortlessly discover, manage, and automate machine identities in both cloud and on-premises servers.

### **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*

### **Harvard College of Commerce and Sciences, Rawalpindi**

*Intermediate, 2014 – 2016*

### **Senior Sir Syed Boys High School, Rawalpindi**

*Matriculation, 2012 – 2014*