

Hassan Abrar

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Professional Profile:

With over 2 years of experience, I'm a dedicated full-stack developer at Iotacore with focus on Backend Engineering, DevOps, Databases (Clickhouse) and Infrastructure. My goal is to contribute to the industry's advancement by exploring emerging technologies such as microservices within the Node.js ecosystem. By staying updated with the latest trends and continuously expanding my knowledge, I strive to apply my expertise in practical scenarios and make meaningful contributions to the future of web app development. With a focus on gaining expertise and staying ahead in this ever-evolving field, I am committed to pushing the boundaries of what is possible in web app development.

Skills:

- Linux
- Git

Languages

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

Databases

- Clickhouse
- MongoDB

- MySQL
- PostgreSQL
- Firebase
- Redis

DevOps

- VMware ESXi
- Google Cloud (Compute, App Engine, VPC)
- Docker / Containers
- Jenkins
- OPManger Infrastructure Monitoring
- Zabbix
- Wazuh

Experience:

- **lotascale** – Full-stack Developer
June 2022 – Current

I have been involved in Development as well as deployment while working in lotascale and also involved in all phases of software development.

I helped deploy entire application services (Go Services, Node.js Services via pm2, Python services using systemd scripts, MongoDB, Clickhouse) on Azure, Google cloud as well as On-premise KVM/QEMU based environments

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

I helped setup monitoring and observability using Prometheus/Grafana

Atrios (atrios.io) I have contributed in Atrios which is DNS based security & filtering solution for ISPs, telcos and for home owners. Atrios provides many features such as Content filtering, App blocking & parental control.

Octane (Backend & DevOps) Worked as a Backend Developer and DevOps services for “Octane – Unified Operations Center”. This application provides URL, IP & VPN Filtering and Whitelisting. This was integrated with Sandvine DPI.

Photon (Backend) Photon is an in-house Network Management System (NMS) that I have contributed to, specifically focusing on the backend development. In this role, my

primary responsibility was leveraging the capabilities of opmanager APIs. These APIs were instrumental in obtaining crucial data for the system. By interacting with opmanager, Photon could retrieve various network-related information, such as device status, performance metrics, and network health indicators.

Firefly (Full Stack) I have been involved in the development of a product called Firefly, which focuses on crawling URLs based on specific keywords. The main objective of Firefly is to determine the accessibility of these URLs and save the open ones. Additionally, it has the functionality to send these open URLs to the Pakistan Telecommunication Authority (PTA) via email. My primary contributions to this project have been in both the user interface (UI) and backend development. Throughout the development process, we have diligently calculated the completion percentage for each task individually and presented an overall progress report.

Crypteva (Backend) Worked as a backend developer specially on Licensing module. Crypteva is a pioneer in crypto-agility and PKI as-a-Service, can help you find, control and automate any machine identity in the cloud or on premises for organizations of any size.

➤ **Bitnbytes Tech – Backend Developer**
(June 2021 – May 2022)

During my one-year tenure at BitnBytes, I thrived as a dedicated Node.js developer, specializing in managing and querying both documented and SQL databases. My pivotal role involved designing and implementing robust API endpoints, closely collaborating with the frontend team to ensure seamless data interaction.

I excelled in optimizing database queries for enhanced performance and scalability, utilizing my strong command of SQL to craft intricate queries and extract valuable insights from structured data. Adhering to industry best practices, I prioritized critical aspects like authentication, input validation, and error handling to guarantee the reliability and security of the APIs.

Final Year Project:

➤ **Twitter Sentiment Analysis**

Developed a Web Application for Twitter Sentiment Analysis. We used React, Node.js, MongoDB and Kafka for big data management.

Education Qualification:

- **Islamic University – (2016-2020) Degree subject – BSSE**
 - ✓ The major subjects I studied are OOP, Databases, Software constructions and Networking.
 - ✓ The '**Final Year Project**' I did was Twitter Sentiment Analysis. Through which you can check sentiment analysis by using different hashtags

- **Harvard College – (2014-2016)**
Degree subject – Inter in Computer Sciences.

- **Senior Sir Syed School – (2012-2014) Degree subject – Matric in Science.**