



Zunnurain Badar

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● ABOUT ME

I have worked in the technology industry for almost six years and have experience in a variety of roles, including software development, full stack development, big data, deployment, and management. I have primarily worked in startup environments where I have taken on multiple responsibilities and tackled various technologies, from leading teams to being a versatile team player. Instead of focusing on specific tools or technologies, I prioritize my problem-solving skills. Initially, my career focused on Node.js backend development and database designing and development, but I have continued to learn and expand my skillset with new technologies.

● WORK EXPERIENCE

04/02/2022 – CURRENT Islamabad, Pakistan

SENIOR SOFTWARE ENGINEER IOTASCALE

As a Senior Software Backend Engineer at IotaScale, I am currently leading the backend team on a SAAS-based solution that provides DNS-based cloud security. My responsibilities in this role include developing and maintaining the backend infrastructure that supports the application, ensuring high scalability and reliability of the system, and working closely with the front-end team to ensure seamless integration of the user interface with the backend logic.

My Responsibilities include:

- Designing and implementing Nodejs REST APIs for a SAAS-based solution.
- Writing and Managing Scripts in Python and Golang.
- Designing and managing the structure and queries of database solutions using Clickhouse, MongoDB and PostgreSQL.
- Debugging, bug fixing, and optimizing code to ensure high performance and reliability.
- Developing and maintaining API documentation for front-end developers.
- Collaborating with the team to ensure fast and efficient development velocity.
- Utilizing Github to manage source code.
- Applying expertise in Nodejs & Golang REST Framework to build scalable and robust back-end systems.
- Participating in code reviews and contributing to the development of new features and enhancements.

15/07/2021 – 04/02/2022 Islamabad, Pakistan

SENIOR SOFTWARE ENGINEER TECHAVENUEBIZ

At TechAvenue, I predominantly served as a Tech / Team Lead in a team of 9 to 12 members that was continuously expanding. My primary responsibilities entailed writing server side logic, Handling all of the databases and managing the deployments.

My Responsibilities include:

- Conducting research and development on various databases to determine the most suitable option for our specific use case. Additionally, performing thorough testing to assess the compatibility and effectiveness of each database option.
- Creating, Designing and implementing Node.js REST APIs using TypeScript and JavaScript.

- Creating and overseeing the architecture and query implementation of database solutions utilizing Clickhouse, MongoDB, and PostgreSQL.
- Writing and Managing Scripts using Python and Golang.
- Managing streams of data using Apache Kafka.
- Identifying and resolving issues in the code, rectifying bugs, and fine-tuning the code for improved performance and reliability.
- Working closely with the team to foster a swift and effective development pace.
- Actively engaging in code reviews and actively contributing to the advancement of new features and improvements in the development process.

01/03/2018 – 15/07/2021 Islamabad, Pakistan

PRODUCT LEAD MICROMERGER

I held the role of product lead for the Unlock'd platform, now known as falaya. In this position, my main duties encompassed the entire development process, starting from gathering client requirements to deploying new features and ensuring clients received timely updates on the platform's latest developments.

My Responsibilities include:

- Creating, Designing and implementing Nestjs REST APIs.
- Managing and implementing Front end development using Angular (2+).
- Actively managing and overseeing the DevOps side on the AWS cloud platform.
- Overseeing the management of the entire application infrastructure.
- Working closely with the mobile team, providing guidance and support in the implementation of new features.
- Designing the architecture and writing complex queries using MongoDB and AWS cloudsearch.
- Identifying and addressing code issues, resolving bugs, and optimizing the code to enhance performance and reliability.
- Collaborating closely with the team to cultivate a rapid and efficient development rhythm.
- Proactively participating in code reviews and actively making contributions to drive the progress of new features and enhancements in the development process.

01/05/2017 – 28/02/2018 Rawalpindi, Pakistan

NODEJS DEVELOPER HYBRID LOGICS

As a junior Nodejs developer, I was assigned multiple projects in which my responsibilities encompassed writing frontend code using React.js, Angular, and Ionic, as well as backend development using Node.js with frameworks such as Express.js, Sails, and LoopBack. Additionally, I was entrusted with the management of NoSQL databases as part of my duties.

My Responsibilities include:

- Creating, and executing Node.js REST APIs utilizing frameworks such as Express.js, Sails, and Loopback.
- Writing and implementing database queries using MongoDB.
- Receiving and handling data sourced from MQTT and Socket.IO.
- Engaging in close collaboration with the team to nurture a high-velocity and productive development process.

● **EDUCATION AND TRAINING**

01/09/2013 – 01/09/2017 Islamabad, Pakistan

BS (COMPUTER SCIENCE) International Islamic University Islamabad

Website <https://www.iiu.edu.pk/>

● **LANGUAGE SKILLS**

Mother tongue(s): **URDU**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	B1	C1	B2	B2	B2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

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DIGITAL SKILLS

Front-end

angular2+ | Reactjs | Nextjs

Back-end

JavaScript / nodejs / Expressjs / Nestjs | Go/Golang | Serverless architecture | Python Language - Basic knowledge

Database

Mongodb / Mongoose | PostgreSQL | ClickHouse | Firebase: Firestore, FirebaseAuth, Firestorage, RealTime database | Caching Backend: Redis

DevOps / Cloud

Platform : AWS Cloud | GCP - Google Cloud Platform | Docker | Kubernetes