

# Muhammad Asghar Ali

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Driven Software Engineer with experience in developing robust APIs, implementing AI-powered solutions, and improving developer productivity. Skilled in Go/Golang and adept at managing time effectively to deliver innovative solutions, streamline complex processes, and integrate intelligent systems. Strong problem-solving abilities with a focus on high-performance, reliable data and AI-driven solutions. Detail-oriented, organized, and efficient, able to work at a fast pace to meet tight deadlines. Collaborative team player committed to contributing to organizational success.

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## Skills

Go/Golang, Javascript/Typescript, Python, Django, FastAPI, NodeJS/ExpressJS/NestJS, Postgres/MySQL, MongoDB, Typeorm, ReactJS/Sveltekit, Docker, Redis, GCP, CI/CD Pipelines, Firebase, Git, Terraform, Temporal, BI, Django, AI/ML/DL/NLP, API Development, SQL

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## Experience

### Software Engineer ([levitatedata](#))

 03/2025 - Present  Remote

- I am working on AI-focused products, contributing to the development of AI tools and the integration of AI APIs. My work includes integrating ingestion and chat pipelines, as well as implementing Celery, Sentry, and logging modules to enhance product visibility and monitoring.
- I have deployed applications on Azure Cloud, creating and managing multiple web apps, resource groups, database instances, and Redis instances to ensure scalable and reliable infrastructure.
- I also develop geography-based applications, integrating Uber's H3 library to convert U.S. ZIP codes into H3 hexagonal grids for advanced spatial analysis.
- Additionally, I designed and implemented access control and role management for the Narratize v2 MVP, while integrating in-house AI products such as the Crebrum APIs.
- I have built and delivered end-to-end product solutions, including brand analysis systems, by integrating another in-house AI product, the Brain API, to enable intelligent insights and conversational capabilities around brand data.

### Software Engineer ([quantm.io](#))

 01/2024 - 03/2025  Hybrid

- Consistently met project deadlines by effectively managing time and prioritizing tasks according to importance.
- Analyzed proposed technical solutions based on customer requirements.
- Spearheading the development of tools to enhance developer productivity, focusing on durable delivery and flawless deployment.
- Designing and implementing Temporal workflows and activities to streamline complex business processes.
- Integrating GitHub and Handle GitHub events into productivity tools for enhanced automation and notifications.
- Creating and maintaining a Slack bot for early warning notifications, improving team responsiveness and efficiency.
- Managing and utilizing Cassandra databases to support scalable and high-performance data storage solutions.

### Software Engineer ([breu.io](#))

 01/2023 - 01/2024  Hybrid

- Lead the design and development of backend APIs using NestJS and Postgres.
- Create efficient and scalable APIs to handle high volumes of data and user interactions.
- Architect backend systems to ensure high performance and reliability.

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Work address: Flat 1 Block C PHA Flats GT Road, Lahore, Pakistan

- Develop robust schemas and data models that support complex application requirements and scalability.
- Handle the design, optimization, and migration of databases.
- Ensure data integrity, performance, and seamless transitions during updates or schema changes.
- Develop APIs with Golang and OpenAPI, leveraging TypeScript and TypeORM for effective application logic and data management.
- Integrate these technologies to build cohesive and maintainable backend solutions.
- Monitor and optimize system performance, identifying and addressing bottlenecks to improve efficiency and response times.
- Provide technical guidance and support to ensure smooth integration and deployment.
- Developed robust, scalable, modular and API-centric infrastructures.

### Associate Software Engineer (NAXXA Consulting)



12/2021 - 12/2022



On-site

- Developed fast and efficient APIs as a Node.js developer, contributing to high-performance application delivery.
- Worked on the development of a project management system for SMBs, including modules such as Admin Panel, File Manager, Gantt View, Automations, Timesheets, and Forms.
- Engineered various microservices to enhance functionality and user experience within the system.
- Designed and implemented MongoDB aggregation pipelines for optimized data processing and integration into multiple APIs.
- Developed scalable and maintainable code, ensuring long-term stability of the software.
- Improved software performance by identifying and resolving bottlenecks in the code.

## Education

### B.Sc Software Engineering



09/2017 - 10/2021



USTB, KPK, Pakistan

Computer Science: 3.75 CGPA

## Publications

### Sentiment Analysis of Product Reviews to Identify Deceptive Rating Information in Social Media: A SentiDeceptive Approach



03/2022

Machine learning research to classify the product review into positive, neutral and negative reviews. Also apply imbalance dataset approaches to balance the dataset.

## Open-source Contribution

- [resonate](#): Here are my [contribution commits](#)
- [dbos](#): Here are my [contribution commits](#)

## Language

- English
- Urdu
- Hinko
- Pashto

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