

Muhammad Muddasir Rafique

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[Muhammad Muddasir - Software Engineer - Farmdar | LinkedIn](#)

[M-Muddasir \(Muhammad Muddasir\) · GitHub](#)

Professional Summary

Senior Full-Stack Engineer with **5+ years of experience** specializing in **JavaScript, TypeScript, Angular, React, Next.js, Node.js, NestJS, Golang, and Express.js**. Expert in **GIS technologies (Mapbox, PostGIS)** and cloud computing with an **AWS certification**. Strong experience in **scalable architecture, API development, and performance optimization**.

Currently working on the **IQ Platform**, including **CropScan YieldPro**, focusing on **spatial data processing using PostGIS, Golang, and Airflow**. Passionate about developing efficient, maintainable, and high-performance applications.

Work Experience

Senior Software Engineer

Farmdar (Hybrid)

January 2024 – Present

- Developing **GIS-based spatial visualizations** with **Mapbox** to display **polygons, centers, and spatial data**.
- Enhancing **data-driven map layers** and improving **geospatial data processing**.
- Optimizing **backend performance** with **Golang** and **PostGIS** for real-time data analytics.
- Implementing **scalable APIs and microservices** for large-scale data processing.
- Leading frontend enhancements using **Angular and React**, improving **UI/UX and performance**.

Senior Frontend Engineer

Techbrainz (On-Site)

November 2023 – January 2024

- Led **frontend development** with **Angular and React**, improving application responsiveness.

- Reviewed **pull requests (PRs)** to ensure **code quality, maintainability, and scalability**.
- Implemented **dynamic user interfaces** and **complex frontend functionalities**.
- Added **difficulty-based features** to enhance **user interactions**.
- Optimized **performance and state management** using **Redux and NgRx**.

Frontend Developer

Boostify (*Remote, Part-Time, US-Based*)

August 2022 – October 2023

- Developed **modern frontend solutions** using **React, Angular, and TypeScript**.
- Performed **code reviews** and improved the **team's coding standards**.
- Worked on **state management and performance optimizations**.
- Built **responsive UI components** with **TailwindCSS and Bootstrap**.
- Integrated **REST and GraphQL APIs** for seamless data fetching.

Full-Stack Developer (Angular | React | Node.js | NestJS | MongoDB)

Cloudpacer (*On-Site*)

August 2022 – September 2023

- Migrated **Angular's older version to the latest** and implemented **new Angular features**.
- Developed **scalable backend APIs** using **NestJS and Express.js**.
- Optimized **MongoDB and PostgreSQL** queries for improved **performance and scalability**.
- Built **authentication and authorization systems** with **JWT and OAuth**.
- Managed **cloud deployment and CI/CD pipelines** using **AWS and Docker**.

Associate Software Engineer

Government College University, Lahore (*On-Site*)

August 2020 – July 2022

- Developed **enterprise-level web applications** using **React, Angular, and TypeScript**.
 - Reviewed **pull requests (PRs)** to maintain **code quality and standards**.
 - Worked on **performance optimizations** and **UI/UX enhancements**.
 - Collaborated with **backend teams** for **API integration and database optimization**.
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Technical Skills

Frontend Development

- Angular, React, Next.js
- TypeScript, JavaScript (ES6+)
- TailwindCSS, Bootstrap, Ant Design
- Redux, NgRx, Zustand
- Server-Side Rendering (SSR)

Backend Development

- Node.js, NestJS, Express.js, Golang
- REST API & GraphQL Development
- Microservices Architecture
- Authentication (JWT, OAuth)

Databases & Cloud

- PostgreSQL, MySQL, MongoDB, Firebase
- PostGIS (Spatial Database Management)
- AWS (Lambda, Amplify, CloudFront)
- Docker, CI/CD Pipelines, Kubernetes

Data Science & Machine Learning

- Python, NumPy, Pandas, Scikit-Learn, Prophet
- AI-driven Analytics & Predictive Modeling

GIS & Mapping Technologies

- Mapbox, PostGIS, Geospatial Data Processing
- Spatial Data Visualization & Tile Rendering

Education

Master's in Data Science (Ongoing)

Punjab University College of Information Technology(PCUIT)

Bachelor's in Computer Science

Government College University, Lahore

Certifications

- **AWS Cloud Technical Essentials** – Amazon Web Services (Coursera)
 - **JavaScript Basics & Intermediate** – HackerRank
 - **Angular Basics & Intermediate** – HackerRank
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Projects & Achievements

- **Enterprise Price Builder App** (*Angular, TypeScript, Node.js, PostgreSQL, MySQL*)
 - **GIS Mapping & Data Visualization** (*Mapbox, PostGIS, Angular, PostgreSQL*)
 - **E-commerce Dashboard with Real-time Analytics** (*React, Next.js, Firebase, MongoDB*)
 - **Scalable SaaS Platform** (*React, Node.js, NestJS, GraphQL, AWS*)
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Hobbies & Interests

- **Exploring New Technologies** – Keeping up with the latest trends in web development and cloud computing.
 - **Open-Source Contributions** – Actively contributing to and learning from the developer community.
 - **Gaming & Competitive Programming** – Solving coding challenges and playing strategy-based games.
 - **Blogging & Technical Writing** – Writing about software development best practices and tutorials.
 - **Travel & Photography** – Exploring new places and capturing moments through photography.
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Let's Connect!

I'm passionate about **building scalable applications, optimizing performance, and delivering seamless user experiences**. If you're looking for a **highly skilled Full-Stack Engineer** to take your project to the next level, feel free to reach out! 🚀