

# MUHAMMAD SULMAN SIDDIQUI

## Team Lead - Full Stack Developer

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### ABOUT ME

Senior Full Stack Developer and Team Lead with **8+ years of experience** delivering **enterprise-scale, data-driven, and high-performance applications** across **government, defence, and enterprise environments**. Specialized in **NestJS, Node.js, .NET Core, React, Next.js, SQL Server, PostgreSQL**, and **microservices architecture**. Proven expertise in systems handling **millions of records, analytics dashboards, database optimization**, and **caching strategies (Redis)**. Strong leadership background with hands-on experience **leading teams, mentoring engineers**, and collaborating with **government stakeholders** to deliver **secure, scalable, and mission-critical systems**.

### WORK EXPERIENCE

#### Senior Full Stack Developer | Malomatia | Doha | Dec 2025 - Present

- Working on **large-scale government analytics platforms** handling **hundreds of thousands to millions of records** with strict performance and reliability requirements.
- Designed and optimized **SQL Server stored procedures** supporting Population, Housing, Building, and Economic analytics modules.
- Developed **NestJS backend services** with **Redis caching**, reducing database load and improving API response times.
- Built **modular analytics APIs** to support charts, maps, and tabular data consumption.
- Developed modern analytics dashboards using **React.js, Next.js, and D3.js**, delivering high-performance, SEO-friendly user interfaces.
- Optimized complex aggregation queries using **indexing strategies, database views, and precomputed datasets**.
- Collaborated closely with **data teams, QA, product owners, and government stakeholders** to ensure accuracy, scalability, and production-grade stability.

#### Team Lead - Full Stack Developer | Crypttech | Islamabad | Feb 2024 - Nov 2025

- Worked as a **Full Stack Developer and Team Lead**, delivering solutions using **React.js, React Native, and NestJS** within a **microservices-based architecture**.
- Designed and implemented **scalable microservices** using **NestJS, RabbitMQ, Redis, and Elasticsearch**.
- Improved system performance by **40%** through caching strategies, database indexing, and asynchronous processing.
- Developed and optimized **web and mobile applications**, implementing **real-time notifications, geolocation features**, and efficient state management using **Redux Toolkit and React Query**.
- Led a team of developers, conducted code reviews, provided technical guidance, and contributed to architectural decisions.
- Collaborated with cross-functional teams to deliver **secure, high-availability enterprise solutions**.

#### Full Stack Developer (MERN) | Shaheen Foundation IT Unit, AHQ Islamabad | Islamabad | Sep 2021 - Jan 2024

- Developed a **digitized mailing system** that eliminated paper-based workflows, improved operational efficiency, and resulted in measurable cost savings.
- Built **GIS-based web applications** with real-time data visualization to support decision-making.
- Developed full-stack applications using **React.js, Angular, Node.js, and MS SQL Server**.
- Optimized database performance using **high-performance stored procedures and indexing techniques**.

#### Senior Front-End Developer | Pakistan Aeronautical Complex, Kamra | Kamra | Sep 2020 - Sep 2021

- Designed and developed a **web-based aircraft configuration management system** supporting country-specific requirements (**Saudi Arabia, Qatar, Turkey, Iraq**).
- Built a **maintenance tracking and cost estimation system** that improved visibility into maintenance records and optimized raw material usage.
- Contributed to **multi-million-dollar cost savings** through data-driven insights and operational efficiency.

#### Web Developer | Infinity | Islamabad | May 2018 - Sep 2020

- Developed responsive websites and admin panels using **HTML, CSS, JavaScript, and React.js**.
- Built **custom WordPress themes and plugins**, ensuring cross-browser compatibility and responsive layouts.
- Worked closely with designers and stakeholders to deliver user-friendly interfaces.

### EDUCATION

B.S. in Software Engineering, International Islamic University, Islamabad, Pakistan | 2020

### SKILLS

- ReactJS
- Redux
- NextJS
- Tailwind CSS
- React Native
- Node.js
- NestJS
- Express.js
- .Net Core
- SQL Server
- Mongo DB
- GraphQL
- RabbitMQ
- Redis
- Elasticsearch
- Docker
- S3
- AWS Web Services
- Azure Web Services
- CI/CD
- PostgreSQL
- MongoDB
- Html
- CSS
- WordPress
- Framer
- Angular

### LANGUAGES

- JavaScript (Advanced High)
- TypeScript (Advanced High)
- C# (Advanced Mid)
- SQL (Advanced Mid)
- Mongo DB (Advanced Mid)
- Html (Advanced High)
- CSS (Advanced High)
- WordPress (Advanced High)
- Framer (Advanced High)

### COURSES

- React Crash Course: From Zero to Hero | Udemy
- Next.js Crash Course: | Udemy
- The complete NestJS developer. Enterprise Node.js framework | Udemy
- Build a Microservices app with .Net and NextJS from scratch | Udemy
- Amazon Web Services (AWS) - Zero to Hero | Udemy
- GraphQL | PAF, Pakistan

### INTERNSHIP

ReactNative Intern | Blue East | Lahore