

MUFFEEZ KHALID

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PROFESSIONAL SUMMARY

MEAN Stack Developer with 6+ years of experience building scalable, enterprise-grade applications using Angular, Node.js, Express.js, NestJS, and MongoDB. Strong backend expertise in PostgreSQL, TypeORM, Redis (caching & pub/sub), Apache Kafka (event streaming), and RabbitMQ (message queuing) for high-performance, distributed microservices architectures. Proficient in TypeScript, NgRx, and RxJS for reactive frontend development, with a solid foundation in RESTful & GraphQL API design. Advocates for clean architecture and code quality through TDD (Jest, Cypress), and thrives in Agile teams with Git-based CI/CD pipelines.

CORE SKILLS

- ❖ **Languages & Frameworks:** Angular (v10+), NodeJs, ExpressJs, NestJs, TypeORM, Redis, Apache Kafka, RabbitMQ, Nx Micro-frontend, Webpack, Mongo DB, GraphQL, TypeScript, JavaScript (ES6+), React, HTML5, CSS3, SCSS.
 - ❖ **Testing & Quality:** Jest, Cypress, Selenium, React Testing Library, TDD, Clean Code, ESLint, Prettier.
 - ❖ **Version Control & CI/CD:** Git, GitLab, GitHub, GitFlow, CI/CD pipelines.
 - ❖ **Cloud & Hosting:** Firebase (Auth, Firestore, Realtime DB), AWS (S3, EC2), Azure, CI/CD configuration, Docker, Kubernetes.
 - ❖ **Databases & APIs:** REST APIs, MongoDB, SQL Server, Webhooks (e.g., Stripe, GitHub), WebSockets (Socket.IO, native).
 - ❖ **Tools:** Angular CLI, Figma, Postman, Azure, Jira, Agile (Scrum/Kanban).
 - ❖ **State Management:** NgRx, RxJS, NgXs, Angular Services.
 - ❖ **Database:** PostgreSQL, MongoDB, Redis.
 - ❖ **Others:** Server-Side Rendering (SSR), Static Site Generation (SSG), Responsive Design, Multi-Tenant Architecture.
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PROFESSIONAL EXPERIENCE

Senior Software Engineer (MEAN) | Classera | Remote August 2023 – Present

- Architected and maintained enterprise-scale MEAN applications using Angular (v10+), Node.js, and NestJS, with NgRx for complex global state management and RxJS for reactive data flows, supporting millions of users across multi-tenant environments.
- Designed and delivered real-time dashboards and notification systems leveraging WebSockets, Firebase Realtime Database, and Redis pub/sub for low-latency event broadcasting and session caching.
- Built and scaled multi-tenant e-commerce and school administration platforms with PostgreSQL and TypeORM for relational data modeling, ensuring secure data isolation and customizable user experiences across organizations.
- Implemented event-driven microservices architecture using Apache Kafka for high-throughput data streaming and RabbitMQ for reliable asynchronous message queuing, improving system decoupling and scalability.

- Integrated third-party services via webhooks (Stripe, GitHub) and REST/GraphQL APIs, enabling near real-time backend processing and instant UI updates.
- Improved application reliability through TDD practices with Jest (unit) and Cypress (E2E), achieving 99.8% production stability, and automated CI/CD pipelines via GitLab CI to streamline deployments and reduce release cycle

Software Engineer | Emblem Technologies | Lahore, Pakistan March 2022 – July 2023

- Developed real-time MEAN stack applications using Angular, Node.js, WebSockets, and Firebase, with Redis for session caching and pub/sub messaging, significantly improving internal communication and system responsiveness.
- Built reusable and scalable Angular UI components and modules using TypeScript, RxJS, and NgRx, reducing development time by ~30% and ensuring design consistency across multiple products.
- Contributed to a high-traffic e-commerce platform using Angular, NestJS, MongoDB, and PostgreSQL with TypeORM, enhancing query performance, scalability, and overall customer experience.
- Integrated RabbitMQ for asynchronous order processing and background job queuing, decoupling core services and improving platform reliability under high load.
- Designed and implemented data-driven analytics dashboards with Angular and D3.js, consuming REST APIs and Kafka-streamed event data to deliver real-time business insights to stakeholders.
- Enforced code quality through ESLint, Prettier, Jest unit testing, and active code reviews, improving maintainability, test coverage, and team collaboration across Agile sprints.

Frontend Developer (Angular/React) | Bester Capital Media | Lahore, Pakistan October 2020 – February 2022

- Developed and maintained responsive web applications utilizing both Angular and React, demonstrating framework flexibility based on project requirements.
- Improved overall website performance by optimizing image loading, implementing caching techniques, and reducing initial load times by 15%.
- Implemented new features and front-end functionality that measurably improved user engagement and conversion rates across key landing pages.
- Collaborated closely with UX/UI designers and back-end developers to transform wireframes into visually appealing and functional web pages.
- Assisted senior developers in the design and implementation of web applications, focusing on scalable component architecture.

EDUCATION

Bachelor of Science - Software Engineering | University of Gujrat | Sep 2017 – Sep 2021