

Muhammad Ausaf Jamal

Software Engineer

Karachi, Pakistan | +92-348-2238001 | ausaffarooqui17@gmail.com

linkedin.com/in/muhammadausafjamal | github.com/MuhammadAusafJamal

PROFESSIONAL SUMMARY

Software Engineer with 2+ years of experience delivering production web and mobile applications end to end across two backend stacks: Node.js and Express.js with MongoDB, and ASP.NET Core with Umbraco headless CMS, Microsoft SQL Server, and Microsoft Azure. Frontend in React.js, Next.js, TypeScript, Redux, and React Native. Experienced in REST API design and integration, legacy codebase migration, server-side rendering, and CI/CD delivery on government-scale digital platforms.

TECHNICAL SKILLS

Languages: C#, JavaScript, TypeScript, SQL, HTML5, CSS3

Frontend: React.js, Next.js, Redux, React Native, Material UI, Tailwind CSS

Backend: Node.js, Express.js, ASP.NET Core, ASP.NET MVC, Razor, Umbraco, REST APIs

Databases: MongoDB, Microsoft SQL Server

Cloud & DevOps: Microsoft Azure, Azure DevOps, GitHub Actions, CI/CD, Git, Vercel

Testing: Jest, Vitest

PROFESSIONAL EXPERIENCE

Technyx Systems | Karachi, Pakistan

Software Engineer | January 2025 - Present

- Deliver full-stack features end to end on government digital platforms: backend services in ASP.NET Core and Umbraco 17 with Microsoft SQL Server, and REST APIs in Node.js and Express.js with MongoDB, consumed by React.js, Next.js, and React Native clients.
- Design and implement 10+ custom Umbraco document types and custom REST API controllers, enabling structured, multi-language content management and third-party integrations.
- Deploy and operate applications on Microsoft Azure using App Service, Blob Storage for media assets, and CDN for global content performance.
- Migrated a legacy React v16 codebase to Next.js, introducing server-side rendering (SSR) and file-based routing to improve page performance, SEO, and maintainability without disrupting the live production stack.
- Built and maintained 20+ reusable, responsive UI components with React.js, Next.js, Material UI, and Bootstrap, standardising visual consistency across breakpoints.
- Model relational schemas in SQL Server and document schemas in MongoDB, defining entities, relationships, and indexes for predictable query performance.
- Developed a React Native mobile client against a shared backend, reusing API contracts to keep web and mobile consistent.
- Harden services with defensive validation, centralised API error handling, and structured logging, improving stability while preserving developer experience (DX).
- Ship changes through CI/CD pipelines on Azure DevOps and GitHub Actions with peer code review on every pull request.
- Drive requirements analysis, sprint planning, and story grooming in an Agile/Scrum team.

Software Engineer Intern | July 2024 - December 2024

- Supported full-stack development across 2 live client projects, including API integration, UI component implementation, and peer code review.

Square Tech | Karachi, Pakistan

Backend Developer Intern | April 2024 - June 2024

- Built a REST API with Node.js and Express.js for a mobile event-management application, covering authentication, data models, and route handlers.
- Implemented user authentication and core MongoDB data models for events and bookings, exposing CRUD route handlers consumed by the mobile client.

KEY PROJECTS

Government Luxury Coastal Development Project - Digital Platform

Umbraco 17.5, ASP.NET MVC, Microsoft SQL Server, React Native | September 2026 - Present

- Building the backend on Umbraco 17.5 and ASP.NET MVC with SQL Server, defining content models and controllers that serve both the web platform and a React Native mobile app.
- Developing the React Native mobile client against that backend, reusing API contracts for a consistent cross-platform experience.

Government Family Affairs Digital Services Portal - Digital Platform

Umbraco 17, ASP.NET Core, Microsoft SQL Server, Microsoft Azure | July 2026 - Present

- Built a headless CMS backend with 10+ custom Umbraco document types for structured, multi-language government content.
- Developed custom REST API controllers for external integrations and content delivery, deployed to Azure App Service with Blob Storage and CDN.

Government Tourism & Destination Information Platform - Digital Platform

React.js, Next.js, TypeScript, Redux, Node.js, Material UI | December 2024 - July 2026

- Migrated a legacy React v16 codebase to Next.js, architecting server-side rendering (SSR) and API routes for improved performance, SEO, and long-term maintainability.
- Revamped the full UI and integrated 4+ REST API endpoints with defensive validation and robust error handling.
- Implemented crash handling across the application, cutting runtime crashes by approximately 5-6%.

AusafJ Portfolio - Personal Site & Content CLI

Next.js (App Router), TypeScript, MongoDB Atlas, Mongoose, Vitest, Vercel | August 2026 - Present

- Implemented Mongoose models and serverless API routes on MongoDB Atlas, with rate limiting and dynamic OG image generation.
- Maintain a green quality gate on every commit: ESLint, Prettier, TypeScript typecheck, Vitest tests, and a production build.

Event Management REST API

Node.js, Express.js, MongoDB, JWT Authentication | April 2024 - June 2024

- Designed and implemented the REST API powering a mobile event-management app: authentication, events, bookings, and CRUD route handlers.

EDUCATION

- B.S. Computer Science - University of Karachi, Karachi, Pakistan | February 2022 - December 2025
- Intermediate (Pre-Engineering) - Govt. DJ Science College, Karachi, Pakistan | September 2019 - August 2021

CERTIFICATIONS

- JavaScript (Intermediate) Certification - HackerRank | August 2026
- Claude Code in Action - Anthropic | April 2026
- Claude 101 - Anthropic | August 2026
- Certified Web & Mobile Application Developer - Saylani Mass IT Training (SMIT) | November 2023