

Bilal Ahmad

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Summary

Full-Stack Software Engineer with 3+ years of experience building scalable microservices and secure web applications. Skilled in NestJS, React, Next.js, MySQL, and Redis, with expertise in backend development, third-party integrations, and delivering production-ready solutions.

Experience

Simplex Technology Solutions, Software Engineer

Sep 2023 – Present

- Led backend development across two active projects, collaborating with mobile and marketing teams to deliver scalable APIs, drive frontend integrations, and support SEO initiatives.
- Delivered 20+ feature modules from business requirements to production, managed third-party integrations, built analytical reports, refactored legacy code, and maintained documentation and test coverage.
- Revamped core system modules to improve security, performance, and scalability, optimize API payloads, and deliver maintainable UI enhancements.

CacheFirst, MERN Stack Developer

Sep 2022 – Sep 2023

- Built 10+ global and local web apps, including crypto exchange, e-commerce, SPA, and CMS solutions, consistently achieving 4.5+ client ratings for quality and reliability.
- Designed scalable data models, implemented automated database migrations, and developed SQL scripts to support analytics, reporting, and dashboard integrations while ensuring data integrity and performance.

Projects

KFC

- Built a configurable loyalty engine, enabling point management, third-party integrations, and reporting.
- Implemented future ordering functionality, allowing customers to schedule orders within operational hours.
- Developed QR code-based dine-in ordering, allowing customers to scan and order directly from mobile devices.

Domino's

- Refactored client-side APIs to improve structure, validation, documentation, security, and performance.
- Built a digital wallet feature enabling customers to pay with wallet credits, improving checkout flexibility.
- Implemented a dynamic free delivery system with rules based on time, channel, deals, and customer location.

Hospinizer

- Implemented patient authentication and automated push notifications to improve appointment adherence.
- Integrated EMR systems across clinics using an aggregator engine for seamless appointment synchronization.

Education

COMSATS University Islamabad, BSc in Computer Science

Sep 2019 – Sep 2023

Skills

Languages: JavaScript, TypeScript, Python, SQL

Frontend: React JS, Next JS, Sass, Tailwind, Zustand, Vite

Backend: Node JS, Nest JS, GraphQL, RabbitMQ, Socket IO, Jest

Database & DevOps: MySQL, PostgreSQL, MongoDB, Redis, Docker, Jenkins, AWS