

Bilal Ahmad

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Summary

Full-Stack Software Engineer with 3+ years of experience in agile environments, building, optimizing, and deploying scalable microservices and secure web applications. Proficient in MySQL, NestJS, Redis, and NextJS, with strong expertise in MVC architecture, software design principles, debugging, testing and documentation practices.

Experience

Simplex Technology Solutions, Software Engineer

Sep 2023 – Present

- Collaborated with mobile and marketing teams to deliver backend APIs, supporting frontend integrations, implement Google Analytics tracking, and drive SEO-related improvements.
- Developed full-stack business modules, built analytical reports, managed integrations, refactored legacy code, resolved defects, and maintained documentation and test coverage.
- Revamped existing system modules to strengthen security, improve performance and scalability, optimize API payloads, and deliver UI enhancements for better usability and maintainability.

CacheFirst, MERN Stack Developer

Sep 2022 – Sep 2023

- Spearheaded delivery of 10+ global and local projects including crypto exchange, e-commerce solution, SPAs, and CMS using MERN stack, earning an average client rating of 4.5+ for performance and reliability.
- Designed business oriented data models, performed automated migrations, and wrote cloud SQL scripts to ensure speed, integrity, and seamless integration with dashboards logs, analytics and reports.

Projects

KFC

- Implemented future ordering functionality, allowing customers to schedule orders within operational hours.
- Built a dynamic consent management system, allowing customers to manage email, SMS, and PN preferences.
- 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.
- Implemented a dynamic free delivery system with rules based on time, channel, deals, and customer location.
- Built a digital wallet feature enabling customers to create wallets, top up balances, and pay for orders using credits.

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, Go, 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