Bilal Ahmad

Lahore, Pakistan • contact@billypentester.pk • +92 332 4187624 • in billypentester • billypentester

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

- Developed and implemented coupons, discounts, taxation, and OTP-based authentication features, significantly improving system functionality and customer experience.
- Redesigned and optimized existing modules, resolved critical bugs, conducted GA integration, and implemented CRM development to ensure seamless performance and improved customer retention.
- Integrated third-party SDKs, implemented task scheduling, and managed event-based notifications, streamlining operational workflows.

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 4.5+ client ratings for performance and reliability.
- Designed business oriented data models, performed automated migrations, and writing 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 customer to manage email, SMS, and PN preferences via CMS.
- Developed QR code-based dine-in ordering, letting customers scan and order directly from mobile devices at tables.

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.

Pizza Hut

- Integrated Google Analytics to monitor web traffic, track order journeys, and generate sales statistics.
- Enhanced an event-based notification system to maintain customer retention and boost engagement.

Education

COMSATS University Islamabad, Bachelor of 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