

# Bilal Ahmad

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## Summary

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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

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### 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

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### KFC

- Implemented an online payment system integrated with bank APIs, enhancing user security for saved card details.
- Developed a dynamic taxation system that adjusts based on different payment modes and state-specific tax rules.
- Built a CRM system enabling mass email and SMS campaigns for targeted audiences and tracking their statistics.

### Domino's

- Built a dynamic delivery fee system that changes based on specific time, channel, store, and cart items.
- Created an OTP-based authentication system to verify users and streamline registration and login processes.
- Integrated third-party CRM into existing web application to track customer activity and handle push notifications.

### 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

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COMSATS University Islamabad, Bachelor of Computer Science

Sep 2019 – Sep 2023

## Skills

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**Languages:** JavaScript, TypeScript, Python, Go, SQL

**Frontend:** React js, Next js, SaSS, tailwind, Zustand, Vite

**Backend:** Node js, Nest js, GraphQL, Kafka, WebSockets, Jest

**Database & DevOps:** mySQL, PostgreSQL, MongoDB, Redis, Docker, Jenkins, AWS