

M. Salman Afzal

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SUMMARY

Experienced Software Engineer adept at leading major engineering projects, communicating effectively across teams, and excelling in software architecture, code design, and testing. Proficient in security principles, agile methodologies, and stakeholder management. Known for a proactive, innovative approach, commitment to problem-solving, and a strong focus on leveraging business insights to drive results.

WORK EXPERIENCE

Senior Software Engineer – E3

Lahore, Pakistan

Carbonteq

Nov 2023 – Present

- Led the development of Design System for User Interface to define a coherent styling and user experiences using Antd tokens reducing product delivery time by 60%.
- Oversaw the implementation of Next.js 14 App Router for the same app from an outdated adoption of React and React Router.
- Directed targeted mentorship and guidance to a junior team member, resulting in a 30% improvement in coding efficiency and a 20% increase in their project completion rate

Software Engineer – E2

Lahore, Pakistan

Carbonteq

Jan 2023 – Oct 2023

- Developed a comprehensive backend solution using domain driven design, leading to a 40% increase in application performance and scalability.
- Led refactoring of an existing codebase, keeping stability and compatibility in mind to reduce bugs by 20%.
- Provided valuable insights on user experience and interface for a consumer-based health tech solution, resulting in a 15% increase in user satisfaction and retention.
- Collaborated with a team of 10 exceptional engineers to drive continuous product upgrades.

Associate Software Engineer – E1

Lahore, Pakistan

Carbonteq

Jan 2022 – Dec 2022

- Revamped existing backend solutions, reducing application bottlenecks by 30% and improving stability by implementing clean code architecture principles.
- Continuously engaged with client to determine the project requirements providing valuable feedback on how things should be implemented to drive the business smoothly.
- Wrote documentation based on OpenAPI for around 20+ endpoints.
- Made unit tests to get around 30% coverage of important workflows.

Lab Instructor

Islamabad, Pakistan

FAST, NUCES

Aug 2021 – Dec 2021

- Instructed and mentored two classes of 35 students each in programming fundamentals, creating stimulating exercises and exams to foster critical, reflective, thinking, and cognitive skills.
- Devised a logical-based approach to teaching programming concepts, resulting in a 20% increase in student retention and comprehension.
- Collaborated on a curriculum with real-world projects, resulting in an 80% success rate for students in completing programming fundamentals.
- Developed and executed a peer mentoring program for students, leading to a 15% improvement in student collaboration and investigative skills.

SKILLS

Stack: **Backend** → *NestJS*, Node.js, Web Sockets, Express.js, *Fastify*, *Drizzle ORM*, TypeORM, Sequelize, Prisma, Jest, *MySQL*, MongoDB
Frontend → *NEXT.js*, React.js, Redux, Html, CSS, Antd Design
Common → *TypeScript*, JavaScript, Git, CircleCI, Docker
Design Principles: DDD, SOLID Principles, Clean Code, Factory, Builder, Decorator, Composite, Singleton patterns.

EDUCATION

National University of Sciences and Technology

Islamabad, Pakistan