

MUHAMMAD OWAIS AHMED

Senior Software Engineer • Full-Stack & Mobile

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SUMMARY

Full-stack engineer with 6 years shipping production web and mobile apps across Angular, Flutter, and Node.js. Founding engineer at SimpliEd, an EdTech platform serving 10,000+ users; previously modernized legacy .NET systems at Dawateislami-IT. Combines hands-on delivery with mentorship across engineering teams and 1,200+ training students.

TECHNICAL SKILLS

Languages: TypeScript, JavaScript (ES6+), Dart, C#, Python, SQL

Frontend: Angular 2+, React.js, Flutter, React Native, RxJS, Redux, Tailwind CSS, Material UI

Backend: Node.js (Express, NestJS), .NET Core, Django, RESTful APIs, GraphQL, Microservices

Databases: MongoDB, MS SQL Server, PostgreSQL, MySQL, Redis, Firebase

Cloud & DevOps: AWS (EC2, S3, RDS, Lambda), Docker, GitHub Actions CI/CD, Linux server administration

Practices: System design, code review, performance optimization, agile/scrum, technical mentoring

EXPERIENCE

Senior Software Engineer (Founding Team) — SimpliEd

June 2022 – Present

Karachi, Pakistan

- Founding engineer on SimpliEd's EdTech platform (Angular, Node.js, Flutter); the platform now serves **10,000+ users across 10 educational institutions**.
- Led development of Flutter-based QR attendance and parent-student mobile apps, replacing manual attendance workflows and serving as the primary daily touchpoint for parents and teachers.
- Optimized Angular web app performance through code splitting, lazy loading, and bundle size reduction across the application's main user flows.
- Architected the Node.js + MongoDB backend with RESTful APIs, designed around availability and response-time SLOs for the production workload.
- Managed AWS infrastructure (EC2, RDS, S3) and built CI/CD pipelines with GitHub Actions and Docker, replacing manual deploys with an automated production pipeline.
- Led code reviews and architecture decisions for a team of 5–6 engineers, shepherding features from design through to production releases.

Associate Software Engineer — Dawateislami-IT

August 2020 – May 2022

Karachi, Pakistan

- Upgraded core backend services from .NET Framework to .NET Core, refactoring critical API modules to improve performance and unlock cross-platform deployment.
- Contributed to a legacy modernization initiative in a 10-person engineering team, migrating server-rendered Razor View modules to a modern Angular SPA architecture.
- Built RESTful APIs in .NET Core and Entity Framework against MS SQL Server, with authentication, structured logging, and error handling.
- Worked in agile sprints — code review, daily standups, and steady feature delivery.

Flutter Development Instructor (Part-time, Weekends) — Jawan Pakistan

January 2021 – Present

Remote

- Designed and delivered a Flutter development curriculum across 11+ batches, training **1,200+ students** in cross-platform mobile development.
- Mentored students through project-based learning, guiding production-ready mobile apps from concept to App Store / Play Store deployment.
- Created structured materials — video tutorials, coding exercises, and assessments — covering state management, API integration, Firebase, and advanced Flutter patterns.

EDUCATION

Bachelor of Science in Computer Science — Virtual University of Pakistan, Karachi

2023 – 2027 (Expected)

Intermediate (Pre-Engineering) — Superior Govt College, Karachi

2018 – 2020