

Ubaid Ur Rehman

Full-Stack Software Engineer

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PROFESSIONAL SUMMARY

Full-Stack Software Engineer with 5+ years of experience engineering scalable APIs and dynamic user interfaces using .NET, React, and React Native. Expert in modernizing legacy enterprise systems, implementing Clean Architecture, and optimizing database performance via CQRS. Proven track record of driving end-to-end architectural decisions, delivering cross-platform mobile and web applications, and ensuring system reliability through CI/CD and rigorous technical code reviews.

TECHNICAL SKILLS

Frontend & Mobile: React, React Native, JavaScript/TypeScript, HTML5/CSS3, Material UI (MUI), Bootstrap, ASP.NET MVC, Windows Presentation Foundation (WPF), Windows Forms (WinForms).

Backend Architecture: C#, .NET 6/8, ASP.NET Core MVC, Web API, Node.js, Clean Architecture, RESTful API Design, SOLID, Domain-Driven Design (DDD).

Databases & Data Modeling: PostgreSQL, SQL Server, Oracle, MongoDB, Rocket UniVerse, Entity Framework Core, Dapper, Redis.

Cloud, DevOps & Messaging: Microsoft Azure, Docker, Jenkins, RabbitMQ, CQRS, CI/CD pipelines.

Testing & Version Control: Jest, NUnit, Selenium, Playwright, SpecFlow, Git/GitHub, Azure DevOps, Jira.

WORK EXPERIENCE

FullStack Software Developer **May 2025 – Present**
Contour Software | IDS Karachi

- Architected and optimized backend CRM/ERP solutions, utilizing SOLID principles and DDD to build modular RESTful APIs (.NET 6, PostgreSQL, RabbitMQ) that integrate seamlessly with legacy Rocket UniVerse databases.
- Developed dynamic client-side interfaces and cross-platform mobile components using React and React Native to fulfill end-to-end feature requirements for enterprise dealership solutions.
- Contributed heavily to architectural decisions and team-wide technical documentation by authoring comprehensive SOPs and Technical Specifications for the Accounting Module.
- Implemented rigorous testing strategies and established production reliability for mission-critical systems, utilizing Jenkins CI/CD pipelines and SonarQube.

Software Developer **Jan 2025 – Apr 2025**
Numbers Pvt Ltd | Swich Karachi, Pakistan

- Designed and implemented microservices-based server-side solutions for a leading FinTech gateway using .NET 6 & 8, engineering high-performance caching and messaging layers with Redis and RabbitMQ.
- Optimized database structures by implementing CQRS, dedicated read databases, and normalized transaction tables, reducing core dashboard load times from over 60 seconds to under 10 seconds.
- Integrated third-party systems via robust APIs for secure account registration and financial transactions.

Software Engineer **Jul 2024 – Dec 2024**
Reboot Technologies | Trafrix LLC Karachi, Pakistan

- Developed complex features and high-performance desktop user interfaces utilizing Windows Presentation Foundation (WPF) for Trafrix OMS, ensuring data integrity for a globally redundant trading platform.
- Refactored existing code to migrate application from .NET Framework 4.8 to .NET 8, resolving breaking changes to guarantee core stability for globally active clients.
- Executed rigorous System Integration Testing (SIT) and Unit Testing to ensure zero-downtime software releases.

Software Engineer

Avanza Solutions

Aug 2023 – Jun 2024

Karachi, Pakistan

- Engineered secure backend features and complex stored procedures for digital banking platforms, ensuring seamless collaboration with stakeholders for reliable deployment procedures.
- Executed a massive customer data migration, ensuring 100% data integrity and security with zero downtime.
- Collaborated closely with bank clients to establish highly reliable deployment procedures, ensuring effective release management and continuous business continuity for critical banking platforms.
- Developed critical backend services for a Bank CRM upgrade, including Windows services for automated Eform updates and complex stored procedures.

Technical Consultant

Contour Software | POMS Corporation

Nov 2021 – Jul 2023

Karachi, Pakistan

- Engineered C#-based logic and complex data reports for an MES-based ERP tailored for highly regulated pharmaceutical manufacturing.
- Collaborated seamlessly with distributed international client teams to deliver production deployments and technical training.

Co Founder & Software Developer

Sentore-Tech

Jul 2020 – Oct 2021

Karachi, Pakistan

- Delivered scalable back-end solutions, architecting robust batch processing pipelines that successfully handled 10,000+ concurrent API validations with automated logic.
- Developed full-featured Inventory and POS systems utilizing the .NET Framework and SQL Server, integrating barcode scanning, multi-branch synchronization, and automated stock alerts.
- Built responsive web interfaces using ASP.NET MVC and robust desktop UI dashboards using Windows Forms (WinForms) for core business operations.

Visiting Faculty (Software Engineering) – Part-time

Mohammad Ali Jinnah University

Sep 2022 – Feb 2026

Karachi, Pakistan

- Facilitated technical interviews and deep-dive code evaluations for software engineering cohorts, mitigating bias and delivering objective feedback on algorithms, problem-solving, and clean code practices.
- Instructed core technical courses including Software Architecture and Web Engineering, assessing fundamental engineering concepts, data modeling, and architectural patterns.

CERTIFICATION & EDUCATION

Certification | Azure Developer Associate (AZ-204)

Microsoft

Oct 2025**Degree | Master of Science in Software Engineering**

Mohammad Ali Jinnah University

June 2024

Karachi, Pakistan

Certification | Project Management Certificate

Google

Nov 2023**Degree | Bachelor of Science in Software Engineering**

Mohammad Ali Jinnah University

Feb 2022

Karachi, Pakistan