

Ubaid Ur Rehman

Full-Stack Software Engineer | React/React Native, .NET & Enterprise Modernization

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PROFESSIONAL SUMMARY

Full-Stack Software Engineer with 5+ years delivering end-to-end web and mobile applications using React, React Native, and .NET across FinTech, digital banking, pharmaceutical, and automotive ERP domains. Skilled at owning features from database to UI — building modular RESTful APIs and pairing them with dynamic React/React Native front ends. Brings a rare additional edge: hands-on experience bridging legacy Rocket UniVerse/Pick Basic systems with modern .NET architecture, giving a fuller picture of the stack than most full-stack engineers who've only worked greenfield. Strong foundation in Clean Architecture, CQRS, and SOLID, with a track record of driving architectural decisions on production systems.

TECHNICAL SKILLS

Frontend & Mobile: React, React Native, JavaScript/TypeScript, HTML5/CSS3, Material UI (MUI), Bootstrap

Backend Architecture: C#, .NET 6/10, 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

Contour Software | IDS

May 2025 – Present

Karachi, Pakistan (Remote)

- Develop full-stack dealership CRM/ERP features end-to-end — modular RESTful APIs (.NET, PostgreSQL, RabbitMQ) paired with React and React Native front ends, including a bridge to the legacy Rocket UniVerse/Pick Basic core database.
- Contributing to the team's migration from .NET 6 to .NET 10 across the platform.
- Support back-office financial workflows — ledger reconciliation and deposit/payment/refund processing — contributing improvements and technical recommendations alongside the core accounting team.
- Design modular APIs and components using SOLID principles and Domain-Driven Design (DDD), supporting team-wide modernization efforts for seamless service swapping.
- Implemented rigorous testing strategies and established production reliability for mission-critical systems using Jenkins CI/CD pipelines and SonarQube.

Software Developer

Numbers Pvt Ltd | Swich

Jan 2025 – Apr 2025

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 via CQRS, dedicated read databases, and normalized transaction tables, reducing core dashboard load times from over 60 seconds to under 10 seconds.
- Investigated and reconciled missing/mismatched transactions across the payment pipeline, resolving \$10k+ in discrepancies via automated log analysis and reporting.
- Integrated third-party systems via robust APIs for secure account registration and financial transactions.

Software Engineer

Reboot Technologies | Trafix LLC

Jul 2024 – Dec 2024

Karachi, Pakistan

- Developed complex features and high-performance desktop user interfaces using Windows Presentation Foundation (WPF) for Trafix OMS, ensuring data integrity for a globally redundant trading platform.
- Refactored existing code to migrate the 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 <i>Avanza Solutions</i>	Aug 2023 – Jun 2024 <i>Karachi, Pakistan</i>
- 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 <i>Contour Software POMS Corporation</i>	Nov 2021 – Jul 2023 <i>Karachi, Pakistan</i>
- 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 <i>Sentore-Tech</i>	Jul 2020 – Oct 2021 <i>Karachi, Pakistan</i>
- 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 <i>Mohammad Ali Jinnah University</i>	Sep 2022 – Feb 2026 <i>Karachi, Pakistan</i>
- 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, Karachi, Pakistan	June 2024
Certification Project Management Certificate Google	Nov 2023
Degree Bachelor of Science in Software Engineering Mohammad Ali Jinnah University, Karachi, Pakistan	Feb 2022