

# Muhammad Ahmad Saleem

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## PROFESSIONAL SUMMARY

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Senior Full-Stack Engineer with a backend specialization and 3+ years of experience building large-scale, distributed systems, with deep expertise in healthcare systems and fintech, using Node.js, .NET Core, TypeScript, and microservices. Strong ownership across system design, API architecture, reliability, and production delivery.

## PROFESSIONAL EXPERIENCE

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### CureMD

**Senior Software Engineer** Jul 2025 – Present

- Led payment platform architecture across microservices, reducing reconciliation errors by 30% and processing time by 20% through API redesign and asynchronous messaging.
- Implemented centralized observability with ELK across distributed services, cutting incident triage and response time by 40%.
- Introduced Redis caching for high-traffic payment and billing APIs, improving response latency and throughput under production load.
- Worked on a collection-agency project to streamline tracking of payments moved to agencies and how much was recovered.

**Software Engineer** Aug 2023 – Jul 2025

- Delivered ADPH Self Pay with a real-time patient payment dashboard and migrated 1M+ records with zero data loss.
- Translated billing and compliance requirements into implementation plans, milestones, and production-ready releases.
- Drove multi-language, multi-timezone billing localization and release quality through Azure DevOps CI/CD, improving international client satisfaction by 40% while sustaining a 90% SLA resolution rate.
- Contributed to team standards for API design, code reviews, test quality, and operational readiness.

**Associate Software Engineer** Aug 2022 – Jul 2023

- Engineered batch payment processing automation and optimized SQL procedures and APIs, reducing manual reconciliation effort by 50% and improving runtime performance.
- Built and maintained background processing services and retry workflows for settlement, reconciliation, and scheduled payment jobs.
- Contributed to CI/CD quality gates and rollback checklists in Azure DevOps to lower release risk for payment services.

## TECHNICAL SKILLS

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**Backend & APIs:** Node.js, .NET Core, TypeScript, C#, Python, ASP.NET, REST, GraphQL, gRPC, Microservices

**Frontend & Mobile:** Angular, React, JavaScript, Flutter (Dart)

**Databases:** MySQL, SQL Server, MongoDB, Redis, Query Optimization

**DevOps & Cloud:** Docker, DigitalOcean, Azure DevOps, CI/CD, Git, Cloudflare R2, ELK Stack

**Messaging & Integrations:** RabbitMQ, Event-Driven Architecture, Agora SDK, JazzCash/Easypaisa, FCM, OAuth 2.0, Solidity

## PROJECTS

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**TrueDoc — Healthcare Appointment Platform | Solo, Production**

2025 – Present | [app.truedoc.pk](http://app.truedoc.pk)

*Node.js, TypeScript, Angular, Flutter, MySQL, Docker, Redis, RabbitMQ, Agora SDK, DigitalOcean, ELK Stack*

- Built full-stack healthcare platform from scratch, including backend API, Angular web app, and Flutter mobile app (beta) for appointment booking, video consultations, and payments.
- Designed RESTful/GraphQL APIs with JWT auth, RBAC, rate limiting, and API versioning; integrated JazzCash/Easypaisa payments and Agora SDK real-time video.
- Optimized MySQL stored procedures and Redis caching for sub-200ms response times, and deployed with Docker on DigitalOcean.
- Developing Flutter mobile app (beta) with appointment booking, video calls, FCM push notifications, and offline-first architecture

**SplitPay — Expense Management Platform | Personal Project**

*Angular, TypeScript, SQL Server*

- Full-stack expense tracker with group management, automatic split calculations, settlement tracking, and real-time WebSocket updates