

Muhammad Ahmad Saleem

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PROFESSIONAL SUMMARY

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

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

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

TrueDoc — Healthcare Appointment Platform | Solo, Production

2025 – Present | 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