Mehdi Abbas
Software Developer | Full-Stack (Backend Focused)

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SUMMARY

Software Developer with **3.5+ years of experience** building high-performance backend systems and web applications. Experienced in **PostgreSQL** optimization, **.NET Core APIs**, and **React**-based frontends. Proven track record of delivering internal tools that improve developer productivity and system reliability. Currently pursuing an **MS in Artificial Intelligence**.

TECHNICAL SKILLS

Backend: .NET 8 (ASP.NET Core), Node.js, REST APIs

Databases: PostgreSQL, SQL Server, Redis

Languages: C#, TypeScript, JavaScript, Python, SQL

Frontend: React, React Native (Expo), Svelte, Tailwind

Infra: Docker, Linux, Jenkins (CI/CD), IIS

Architecture: Microservices, CQRS, Clean Architecture

Testing: Unit & Integration Testing

Tools: Git, Bitbucket, Postman

EXPERIENCE

Software Developer — Contour Software

Feb 2024 – Present

- Built a **high-performance customer search API** over **5M+ PostgreSQL records**, achieving **near-Elasticsearch response times** via indexing and query-plan optimization.
- Architected **nightly SFTP data sync pipeline** with **delta updates**, reducing processing time and storage usage for large datasets.
- Led **React Native to Expo migration**, improving build reliability and deployment consistency.
- Refactored legacy **ERP system** (PICK/Basic, Windows Forms), reducing technical debt and improving maintainability

Junior Software Developer — Contour Software

Jul 2022 – Feb 2024

- Developed **ASP.NET Core REST APIs** using **CQRS** and clean architecture.
- Optimized PostgreSQL performance through **execution-plan analysis and indexing**.
- Implemented unit and integration tests, achieving **100% coverage**, significantly improving release stability.
- Built CRM UI components using **React** and **Material UI**.

PROJECTS

- **Internal Retrospective Platform** (.NET 8, React, PostgreSQL) adopted by **all Scrum teams**, replacing Confluence workflows.
- **API Monitoring & Log Viewer** with in-app decryption, accelerating debugging for QA and DevOps.
- **Online Learning Platform** (Moodle + Express + React) deployed on Linux VPS; handled full DevOps lifecycle.
- Engineered a database **performance tool** for legacy **MultiValue systems**, utilizing custom logic to dynamically resize files and eliminate storage fragmentation.

EDUCATION

MS Artificial Intelligence — FAST NUCES *(Aug 2025 – Present)*

BS Computer Science — Mohammad Ali Jinnah University *(2018 – 2022)*

CGPA **3.92/4.0**, **Silver Medalist**, **2nd Position** FYP Exhibition