Harshit Patel

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SUMMARY

Backend-focused Software Engineer with expertise in **C#, .NET Core/Framework, SQL Server, EF Core, LINQ, ASP.NET Web APIs** and scalable distributed systems. Experienced in financial workflows, secure authentication, data consistency, and high-performance backend services. Skilled at building enterprise-grade components aligned with engineering standards, code quality, and compliance expectations. Strong focus on clean architecture, configuration-driven development, and integration with partner systems.

SKILLS

Languages: C#, SQL, Java, C++, Python, JavaScript
Technologies: .NET Framework 4.8, .NET Core, ASP.NET Web API, ASP.NET MVC, EF Core, LINQ, React.JS
Databases: SQL Server, MySQL, MongoDB
Cloud/Tools: Git, GitHub, GitLab, Postman, SonarQube, Docker, SQL Server Management Studio(SSMS), MS Test
Core Concepts: OOP, Data Structures & Algorithms, Authentication, Microservices, Unit Testing

WORK EXPERIENCE

OneBanc Technologies Private Limited, Gurugram Oct 2024 - Oct 2025
Backend Development | .NET Developer

- Structured financial domain classes such as Customer, Account, Transaction, and Beneficiary using **SOLID principles** and appropriate **Design Patterns**, resulting in a robust and maintainable backend component design.
- Engineered secure, time-sensitive **OTP authentication pipelines** for mobile and email flows, enhancing identity verification and strengthening multi-factor authentication reliability across the platform.
- Architected flexible **partner authentication middleware** supporting **OAuth 2.0, API Keys, HMAC-based authentication**, reducing integration onboarding time by 40% and enabling configuration-driven partner enablement.
- Implemented a configuration-based **Forward Proxy Engine** to perform dynamic request/response transformations, including AES-based encryption/decryption, field remapping, and partner-specific normalization logic.
- Created a .NET 8 automation tool that generated complex JSON **proxy configuration files** from structured CSV templates, reducing manual engineering effort by 95% and eliminating validation errors.
- Integrated a **caching layer** (in-memory and config-driven) that optimized partner validation checks and reduced average response latency from 300ms to 180ms across high-traffic endpoints.
- Upgraded and refactored legacy .NET services to meet **SonarQube, VAPT, and secure coding** standards, reducing vulnerabilities and ensuring compliance with organizational security guidelines.

EDUCATION

Chitkara University, Punjab Jul 2021 – Jun 2025
B.E. in Computer Science & Engineering **CGPA: 9.34/10**

PROJECT WORK

- **Dynamic Templated Mail Dispatcher (2025):** Built a modular C#/.NET 8 application for high-volume email generation using CSV inputs and HTML templates. Implemented streaming I/O, dependency injection, and clean separation of parsers, template engines, and dispatchers.
- **StudyNotion LMS – MERN Stack (2024) - GitHub:** Developed a full-stack Learning Management System (LMS) using the **MERN stack** (MongoDB, Express.js, React.js, Node.js) where instructors can create, manage, and monetize courses. Implemented secure user authentication and authorization with JWT, role-based access control, and integrated a payment gateway for course enrollment.
- **2048 Game – ASP.NET MVC (2025) - GitHub Live:** Built a full-stack version of the 2048 game using C# with ASP.NET MVC. Implemented core game engine (tile merging, scoring, game-over logic) and responsive UI using HTML/CSS/JavaScript. Containerized with Docker for easy deployment and modular architecture.

ACHIEVEMENTS

- Solved 500+ DSA problems across platforms, demonstrating strong algorithmic thinking and problem-solving ability.