

Amol Sinha

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Professional Summary

Backend-focused **.NET Developer** with **2.5+ years** of experience designing and delivering scalable, high-performance enterprise systems. Currently at **FM (Factory Mutual)** building shared platform APIs and reusable services consumed across multiple enterprise applications, following clean architecture principles. Proficient in modern **.NET 8/9/10**, **C#**, **GraphQL**, REST APIs, and **SQL Server**. Strong foundation in CI/CD, Azure cloud services, and test-driven development. Previously at **Deloitte USI**, delivered business-critical backend modules for a U.S. government Health Insurance Exchange — earning **two Spot Awards** for impactful financial feature implementations with zero production disruption.

Technical Skills

Languages & Runtime	C#, .NET Core, .NET 8/9/10, ASP.NET Core
APIs & Protocols	REST APIs, GraphQL, gRPC (basics), Swagger / OpenAPI
Architecture & Patterns	Clean Architecture, Microservices, CQRS, Repository, Factory, Strategy, DDD
ORM & Data Access	Entity Framework Core, LINQ, Dapper
Database	SQL Server, T-SQL, Stored Procedures, Query Optimisation
Cloud & DevOps	Microsoft Azure (App Services, Azure Functions, Service Bus, Key Vault), CI/CD Pipelines, GitHub Actions, Azure DevOps, TFS, Git
Testing & Quality	xUnit, NUnit, Unit Testing, Integration Testing, TDD
Tools & Practices	Visual Studio, Postman, Jira, Agile / Scrum, SDLC

Experience

FM (Factory Mutual Insurance)

Associate Software Engineer

Dec 2025 – Present

Bengaluru, India

- Work within the **Shared Services** team to design and develop reusable APIs and platform components consumed by multiple downstream enterprise applications.
- Build secure, high-performance backend services using **.NET 8/9/10**, **C#**, **GraphQL**, and REST APIs, applying clean architecture to ensure long-term maintainability and scalability.
- Define shared service contracts and interfaces that enforce consistent patterns and enable faster feature delivery across product teams.
- Contribute to architectural discussions, code reviews, and Agile sprint ceremonies to maintain high engineering quality across the platform.

Deloitte USI

Analyst — Backend .NET Developer

Jul 2023 – Nov 2025

Bengaluru, India

- Developed and maintained core backend modules for a **U.S. state government Health Insurance Exchange** platform using C#, .NET Core, ASP.NET MVC, Entity Framework, and SQL Server.
- Implemented business-critical financial logic for **QHP enrollment**: premium calculations, Advance Premium Tax Credit (APTC) adjustments, proration algorithms, and eligibility validations.
- Owned the **Enrollments DLL** — a core backend logic layer for eligibility checks, financial computations, and transaction validation — and the **Auto Enrollment Batch Process** for scheduled policy assignments with robust edge-case and error handling.
- Designed and maintained **RESTful APIs**; optimised LINQ queries and stored procedures, achieving a **30% reduction in API response times**.
- Authored and executed **DataFix scripts** to resolve live production financial discrepancies (premiums, APTC) with **zero business disruption**.
- Applied reusable design patterns (Repository, Factory, Strategy) to improve scalability and long-term maintainability across core modules.
- Wrote comprehensive unit and integration tests with **xUnit**; supported CI/CD pipelines to reduce post-deployment defect rates and accelerate release cycles.
- Participated in Agile sprints, release planning, code reviews, and cross-team deployment coordination across a distributed U.S.-India engagement.
- **Deloitte Spot Award (2024)**: independently delivered APTC proration logic with direct, measurable financial impact.
- **Deloitte Spot Award (2025)**: developed the reinstatement module with accurate financial recalculations and zero production disruption.

HighRadius Corporation

Associate Functional Consultant Intern — FinTech SaaS (O2C)

Jul 2022 – Dec 2022

Bhubaneswar, India

- Configured Electronic Invoice Presentment and Payment (EIPP) modules for international clients, ensuring alignment with country-specific tax and compliance regulations.
- Engaged with client-side stakeholders during onboarding; facilitated solution walkthroughs and User Acceptance Testing (UAT) sessions.
- Conducted gap-fit analysis with senior consultants and translated business requirements into functional deliverables.

Certifications & Awards

Microsoft Certified: Azure AI Engineer Associate | AI-102

Issued Jul 2025

Deloitte Spot Award — Independently implemented APTC proration logic; direct positive impact on subsidy financial calculations. 2024

Deloitte Spot Award — Delivered reinstatement module with accurate financial recalculations; zero production disruption. 2025

Education

KIIT University

B.Tech — Electronics and Telecommunication Engineering

Bhubaneswar, India

2019 – 2023

St. Mary's English High School

Higher Secondary Education (12th, CBSE)

Jamshedpur, India

2016 – 2018