

# YOGESH M. RATHOD

.NET Full Stack Developer (Backend-Focused)

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Portfolio: <https://task-flow-client-seven.vercel.app>

## PROFESSIONAL SUMMARY

Result-driven mid-level .NET Developer with 3 years of hands-on experience designing and deploying enterprise-grade applications. Specialized in ASP.NET Core Web APIs, SQL Server optimization, and full-stack development with Angular. Strong track record of building secure, scalable systems with JWT authentication, performance optimization through caching and query tuning, and writing testable, maintainable code. Proven ability to deliver end-to-end features from database design to production deployment.

## TECHNICAL SKILLS

- **Backend:** C#, ASP.NET Core Web API, ASP.NET MVC, Entity Framework Core, LINQ, RESTful API Design, JWT Authentication, Role-Based Authorization, Input Validation
- **Database:** SQL Server (Query Optimization, Indexing, Execution Plans, Stored Procedures), PostgreSQL, Multi-table Data Aggregation
- **Frontend:** Angular (Reactive Forms, Route Guards, API Integration), TypeScript, JavaScript, HTML5, CSS3, Bootstrap, jQuery
- **Testing & Code Quality:** xUnit, Moq (Service Layer Unit Testing), Code Testability
- **Caching & Performance:** Redis (Cache-Aside Pattern), Query Optimization, Non-Clustered Indexing, Execution Plan Analysis
- **Logging & Monitoring:** Serilog Structured Logging, Correlation IDs, Exception Handling, Request/Response Tracking
- **Cloud & DevOps:** Azure, Docker
- **Architecture:** Layered Architecture, Repository Pattern, Dependency Injection, MVC Pattern
- **Tools:** Visual Studio, VS Code, Swagger, Postman, IIS, Git

## PROFESSIONAL EXPERIENCE

### Global Business Infotech Solution, Pune

.NET Developer | March 2024 – May 2025

- Architected and delivered end-to-end ERP and Order Management System using ASP.NET Core Web APIs, Angular, and Entity Framework Core—handling 50+ concurrent users with zero downtime.
- Designed scalable RESTful API endpoints with comprehensive request validation, standardized error handling, and structured HTTP responses; documented using Swagger.
- Implemented JWT-based authentication and role-based authorization (Admin, Manager, User) with middleware for secure access control across all API operations.
- Optimized SQL Server performance by creating non-clustered indexes on frequently queried columns and refactoring complex joins, reducing average query execution time by 40%.
- Developed stored procedures for order processing, inventory calculations, and multi-table data aggregation; reduced processing time from 2 minutes to 15 seconds.

- Built reusable Angular components for Customer Management, Quotations, Order Processing, and Fabric Stock modules using Reactive Forms with validation and Route Guards.
- Implemented email notification system and Excel/PDF export functionality for orders and reports, enabling instant business intelligence from operational data.
- Created real-time dashboards tracking order status, pending approvals, and inventory levels using Redis caching with Cache-Aside pattern—reduced load time from 3s to 500ms.
- Implemented Serilog structured logging with correlation IDs for comprehensive request tracking; improved production troubleshooting and diagnostics.
- Deployed application to Azure App Service with Azure SQL Database configuration for production reliability and scalability.

### **Sciedge Abstract, Pune**

*Junior .NET Developer | December 2022 – August 2023*

- Developed Windows Forms desktop applications for business operations with data grids, form validation, and real-time data processing.
- Designed normalized database schemas with proper foreign key relationships and created indexed views for optimized reporting queries.
- Built high-performance bulk data import/export operations using ADO.NET SqlBulkCopy, handling 100K+ record datasets with memory efficiency.
- Created automated batch scripts for scheduled data processing and report generation with retry logic and error handling.
- Troubleshoot production database issues by analyzing SQL execution plans and implementing targeted query optimizations.
- Wrote unit tests using xUnit and Moq to validate service layer logic, ensuring code quality and maintainability.

### **Greenovative Energy Pvt Ltd, Pune**

*Trainee .NET Developer | September 2021 – December 2022*

- Built secure ASP.NET Core Web APIs for real-time IoT energy meter monitoring system, ingesting and processing live device telemetry data.
- Implemented JWT token-based authentication with validation and role-based authorization for different user tiers.
- Developed stored procedures for time-series energy consumption data aggregation and analytics; optimized queries for fast historical report retrieval.
- Integrated APIs with internal dashboards and external monitoring systems through secure API contracts and documentation.
- Resolved data accuracy issues through input validation, null-reference handling, and edge case testing.

## **EDUCATION**

**Bachelor of Engineering in Information Technology** | Sant Gadge Baba Amravati University | Graduated 2019 | CGPA: 7.68/10

## **KEY TECHNICAL STRENGTHS**

- Expert in ASP.NET Core Web API design with Entity Framework Core for data access and optimization
- Advanced SQL Server optimization: indexing strategies, query refactoring, execution plan analysis
- Full-stack development: integrating Angular frontends with secure, scalable APIs
- Production-level database design: normalized schemas, stored procedures, performance tuning
- Testable code practices: xUnit and Moq for unit testing, ensuring maintainability and reliability