

Balasubramani

Senior .Net Developer

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Senior .NET Backend Developer with **4.7 years of experience** designing and delivering scalable enterprise applications using **.NET Core, .NET 8+, Microservices, Architecture, and Microsoft Azure**. Skilled in building high-performance RESTful APIs, optimizing database systems, and implementing secure authentication mechanisms including **JWT and RBAC**. Proven ability to improve application performance, integrate third-party enterprise systems, and lead Agile development teams to deliver cloud-native solutions supporting thousands of users.

Skills:

Key Skills: Senior .NET Backend Engineer specializing in building scalable RESTful APIs, secure authentication (JWT, RBAC), technical leadership, and performance-optimized database systems. Experienced in Azure cloud services, Docker deployments, background job processing, performance optimization and RPA automation (UiPath) to streamline business workflows and reduce manual processing.

Programming Languages: C#, SQL, JavaScript (ES6+), Python (Working Knowledge), XML

Backend & API Development: ASP.NET Core, .NET 8+, ASP.NET MVC, RESTful APIs, API Versioning, Clean Architecture, Dependency Injection, Middleware

Database: SQL Server, MySQL, PostgreSQL, Stored Procedures, Query Optimization

Cloud & Distributed Systems: Microsoft Azure (App Services, Azure Functions, Application Insights, Azure Data Factory), Serverless Architecture

Authentication & Security: JWT Authentication, Role-Based Access Control (RBAC), OAuth2

Messaging & Background Processing: Quartz Scheduler, Background Jobs, RabbitMQ

DevOps & Tools: Docker, Git, GitHub, CI/CD Pipelines, Swagger, Postman

Frontend Collaboration: React.js, Next.js, HTML5, CSS3, Tailwind CSS

Engineering Practices: SOLID Principles, Object-Oriented Programming, Agile/Scrum, Code Reviews

Education:

Bachelor of Engineering – Computer Science
PSR Engineering College, Anna University

Sivakasi, India
Oct 2016 - Apr 2020

Certifications:

Meta Front-End Developer – React Basics (Meta | Coursera) - [View Certificate](#)
ASP.NET MVC & SQL Server Certification Course at Future I Technologies

Professional Experience:

.NET Developer
MST Soft

Coimbatore, India
May 2024 - Present

- Spearheaded backend architecture for scalable enterprise platforms including **Hotel Booking System, AR Training Application, AI Prompt BI, and eCommerce solutions** serving 10K+ projected users.
- Engineered high-performance **ASP.NET Core RESTful APIs** using Clean Architecture, improving API response time by **30%**.
- Integrated third-party systems including **PMS platforms, payment gateways, and cloud services** ensuring reliable data synchronization.
- Deployed Azure services such as **App Services, Azure Functions, Application Insights, and Data Factory** to enhance monitoring and scalability.
- Accelerated development delivery by **25%** through AI-assisted engineering practices while maintaining enterprise coding standards.
- Directed cross-functional teams, conducted technical reviews, and ensured successful on-time product releases.

Software Developer
Maxpro Technologies

Coimbatore, India
Jul 2021 - May-2024

- Built backend systems for **HRMS and Waste Management platforms** managing 5K+ employee records.
- Optimized SQL Server database schemas and stored procedures, reducing payroll processing time by **35%**.
- Delivered secure **ASP.NET Core Web APIs** implementing JWT-based authentication and modular architecture.
- Automated attendance and payroll workflows, decreasing manual operational effort by **50%**.
- Collaborated closely with frontend teams to deliver scalable and maintainable enterprise modules.

Project Experience:

BestRoomsOnly – Hotel Booking Platform

Tech Stack: ASP.NET Core, Azure, PostgreSQL, REST APIs
Role: Backend Lead

- Architected scalable backend services supporting high-concurrency booking operations.
- Designed database architecture and integrated PMS and payment gateway systems.
- Guided development lifecycle from system design through production deployment.

Prompt BI – AI-Based Data Platform

Tech Stack: .NET Core Web API, Azure, MySQL

Role: Backend Architect

- Built scalable API architecture for AI-driven prompt generation and data visualization.
- Developed secure file ingestion and processing workflows.
- Improved database query performance for analytics workloads.

AR Training Application

Tech Stack: ASP.NET Core, Azure APIs

Role: Backend Architect

- Created backend services supporting AR-based employee training workflows.
- Enabled device scanning integration and 3D model management APIs.

Kiosk Tax Validation System

Tech Stack: WPF, Azure Functions, IoT Integration

Role: Senior WPF Developer

- Delivered desktop-based QR validation system integrating scanners and printers.
- Enabled serverless validation workflows and real-time monitoring.

E-Commerce Platform – ADCO Industries

Tech Stack: React.js, Next.js, Azure

Role: Frontend Lead / CMS Contributor

- Directed UI development and API integration.
- Supported CMS architecture and Azure deployment migration.

RPA Loan Processing Automation (POC)

Tech Stack: UiPath

Role: RPA Developer

- Automated end-to-end loan document workflows using RPA bots.
- Reduced manual processing effort by **60%** through automated validation and response handling.

SWMS HRMS System

Tech Stack: ASP.NET Core, SQL Server

Role: Backend Developer

- Engineered backend architecture for HRMS and Waste Management platform.
 - Delivered Employee, Attendance, Leave, and Payroll modules.
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