

Balasubramani

.Net Developer

Rajapalayam - 626117, India

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👤 Portfolio | 💬 [LinkedIn](#)

Education:

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

Sivakasi, India
Oct 2016 - Apr 2020

Experience:

MST Soft
.Net Developer

Coimbatore, India
May 2024 - Present

- Architected and led backend development for scalable product platforms (Booking System, AR Training App, AI-based Prompt BI, eCommerce), serving 10K+ projected users.
- Designed and optimized RESTful APIs and database architectures (PostgreSQL/MySQL/SQL Server), improving query performance by ~40% and reducing API response time by ~30%.
- Integrated third-party systems (PMS, Payment Gateway, Cloud Services), ensuring high reliability and seamless data synchronization.
- Implemented Azure services (Functions, App Services, Application Insights, Data Factory) to enhance scalability, monitoring, and deployment efficiency.
- Leveraged AI-assisted development to accelerate delivery cycles by ~25% while maintaining clean architecture and code standards.
- Led small cross-functional teams, conducted code reviews, and ensured on-time feature releases aligned with product roadmaps.

Maxpro Technologies
Software Developer

Coimbatore, India
Jul 2021 - May-2024

- Designed and developed backend systems for HRMS & Waste Management applications handling 5K+ employee records.
- Built high-performance SQL Server schemas and stored procedures, reducing payroll processing time by ~35%.
- Developed secure .NET Core Web APIs and collaborated with frontend teams to deliver modular, maintainable product features.
- Automated attendance and payroll workflows, reducing manual effort by ~50% and improving data accuracy.

Certifications:

Meta Front-End Developer - React Basics - [View Certificate](#)

ASP.NET MVC with SQL Server - Certification Course at Future I Technologies

Skills:

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

Languages: C#, SQL, JavaScript (ES6+), React, Next JS, Python (Working Knowledge), XML

Backend & API Development: ASP.NET Core Web API, .NET 6+, ASP.NET MVC, RESTful API Design, API Versioning, Entity Framework Core, EF6, [ADO.NET](#), JWT Authentication, Role-Based Authorization (RBAC), Middleware, Dependency Injection, Clean Architecture, Postman, Swagger

Database: SQL Server, MySQL, PostgreSQL

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

DevOps & Containerization: Docker (Containerization & Deployment), Git, GitHub, CI/CD Concepts, Environment-based Configuration Management.

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

Engineering Practices: SOLID Principles, Object-Oriented Programming (OOP), Agile/Scrum Methodology, Code Reviews & Team Collaboration, Third-Party API Integration

Projects:

MSTSoft

BestRoomsOnly (Hotel Booking Platform)

Client: BestRoomsOnly

Role: Backend Lead

Architected and led end-to-end backend development of a scalable hotel booking platform. Designed database architecture, implemented PMS (Aiosell) and payment gateway integrations, and led the development team to successful delivery. Leveraged AI-assisted development (Google's Antigravity) to accelerate feature implementation, optimize code generation workflows, and improve development efficiency.

Kiosk Tax Validation System

Client: Impiger Technologies – E7

Role: Senior WPF Developer

Designed and developed a desktop-based QR validation system integrating IoT devices (scanner & printer). Implemented Azure Functions for serverless validation workflows and enabled real-time monitoring using Application Insights.

Prompt BI (AI-Based Data Platform)

Role: Backend Architect

Designed scalable API architecture and backend logic for an AI-driven prompt generation and data visualization platform. Built secure file processing workflows and optimized database performance.

AR Training Application

Role: Backend Architect

Designed backend architecture and APIs for an AR-based employee training system integrating 3D model workflows and device scanning capabilities.

E-Commerce Platform

Client: ADCO Industries

Role: Frontend Lead / CMS Contributor

Led UI development and API integration for a scalable eCommerce platform. Contributed to CMS architecture and supported Azure cloud migration and deployment.

RPA Loan Processing Automation (POC) – UiPath

Role: RPA Developer

Designed and developed a Proof-of-Concept RPA solution using UiPath to automate end-to-end loan document processing. The bot monitored incoming emails, extracted attachments, validated documents, processed loan workflow rules, and generated automated success/failure response emails — reducing manual effort by ~60% and improving processing turnaround time.

MSTSoft Corporate Website

Role: Frontend Developer

Developed a responsive, performance-optimized business website aligned with modern UI/UX standards.

Maxpro Technologies

SWMS HRMS (Waste Management & HRMS System)

Client: SWMS

Role: Backend Developer

Designed and developed complete backend architecture and business logic for a Waste Management & HRMS application. Implemented Employee, Attendance, Leave, and Payroll modules with database schema design, stored procedures, and RESTful APIs, collaborating with the Angular frontend team for seamless integration.