



# Bodapati Shiva Sai Krishna

Senior Analyst/Software Engineer

**Base Location:** Bangalore

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**Grade:** A5

## Strengths

### Full Stack Developer

- Hands-on knowledge of **C# and ASP.NET Core** with strong understanding of **OOP, dependency injection**, and modern **.NET practices**. Skilled in building **RESTful APIs** using a **3-layered repository architecture** with **Entity Framework, LINQ, JWT authentication, and NUnit testing**. Proficient in **Angular, TypeScript, and component-based architecture** for developing **responsive user interfaces**.

## Projects

### 1.GenAI-Email Automation

**Tech Stack:** React.js, TypeScript, ASP.NET Core Web API, C#, OpenAI GPT API, Gmail API, OAuth 2.0

#### Description:

- Built an AI-based **Email Automation Agent** to automate email processing and response generation.
- Developed a **React frontend** and **ASP.NET Core backend** with secure Gmail integration.

#### Key Features:

- Smart email classification and AI-powered auto-replies with multiple response styles.
- Automated meeting scheduling and real-time email analytics dashboard.

#### Technical Highlights:

- RESTful API design, OAuth-based authentication, asynchronous processing, and responsive UI.

### 2.Pharmacy Management System

**Tech Stack:** ASP.NET Core, Angular, SQL Server, Entity Framework, JWT, NUnit, LINQ

#### Description:

- Built full-stack **On Pharmacy Management System** with **ASP.NET Core backend and Angular frontend using SQL Server/SSMS via Entity Framework**. Implemented **3-layered Repository pattern** with **global exception handling** and comprehensive **NUnit testing**.

#### Key Features:

- Developed core features such as **drug, inventory and supplier management, order processing, user authentication with JWT, and role-based access control using Identity Framework**.

#### Technical Highlights:

- Entity Framework **Code-First**, LINQ queries, **dependency injection**, Global exceptions, asynchronous programming (async / await), and end-to-end data validation.

Check out my work on Video Profile



## Education and certificates

Bachelor of Technology  
Computer Science : 2021 - 2025

## Skills

<b>C# Programming</b>	C# Fundamentals, OOP, SOLID Principles, Design Patterns, Dependency Injection, LINQ Queries, Async Programming.
<b>ASP.NET Core</b>	Web API Development, Middleware, Configuration Management, Authentication & Authorization, Model Binding
<b>Entity Framework</b>	Code-First Approach, Database Migrations, LINQ to SQL, Repository Pattern, Data Annotations.
<b>.NET Architecture</b>	3-Layer Architecture, Repository Pattern, Dependency Injection, Service Layer, Clean Architecture
<b>Unit Testing</b>	NUnit Framework, Unit Testing, Integration Testing, Test-Driven Development, Mocking.
<b>Authentication</b>	JWT Token Implementation, Role-based Authorization, Claims-based Security, Identity Framework.
<b>Angular</b>	Components, Services, Routing, HTTP Client, Reactive Forms, TypeScript, RxJS Observables
<b>Database</b>	SQL Server, SSMS, Entity Framework Code-First, LINQ
<b>UI Tech</b>	HTML5, CSS3, TypeScript, Bootstrap.
<b>API Tools</b>	Swagger, Postman, REST Client Testing, API Documentation, Endpoint Validation.
<b>Add On skills</b>	Problem Solving, Code Optimization, Technical Documentation, Agile Methodologies, Team Collaboration.

