

VASAVI MADAPANI

Software Engineer | .NET Core & Angular | Microservices | AWS

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PROFESSIONAL SUMMARY

Software Engineer with 2+ years of experience designing and building scalable, production-grade web applications and backend microservices using .NET Core, C#, and Angular. Proven track record delivering RESTful APIs, cloud-based solutions on AWS, and enterprise features for global product platforms in Agile teams. Recognized with multiple client and company awards for reliability, ownership, and delivery quality. Skilled at using AI-assisted development tools (GitHub Copilot, Cursor AI, Claude) to accelerate delivery without compromising code quality. Seeking to bring strong full-stack and systems-thinking skills to a product-focused engineering team.

CORE TECHNICAL SKILLS

Languages & Frameworks: C#, .NET Core, ASP.NET MVC, Entity Framework, Angular, JavaScript, HTML5, CSS3

Architecture: RESTful API Design, Microservices, WCF, Object-Oriented Design (OOP), Data Structures & Algorithms, Design Patterns

Databases: PostgreSQL, SQL Server (SSMS), Stored Procedures, Query Optimization, Database Design

Cloud & DevOps: AWS, Git, Azure DevOps, GitLab, GitHub, Jira, CI/CD Workflows

Testing: Unit Testing, Selenium (Automation)

AI-Assisted Development: GitHub Copilot, Cursor AI, Claude

Tools & IDEs: Visual Studio, Visual Studio Code, SSMS

PROFESSIONAL EXPERIENCE

Software Engineer — *Capgemini*

Nov 2024 – Present

Client Engagement: Smith+Nephew — Renasys Edge Connect Platform

Nov 2025 – Present

Technologies: .NET, AWS, Microservices, GitLab, Jira, Cursor AI

- Develop backend microservices for the **Renasys Edge Connect** platform using **.NET**, following modern microservices architecture and cloud-native development practices.
- Serve as technical owner for a key functional area, driving backend design, implementation, and delivery while coordinating with cross-functional stakeholders.
- Design, develop, and maintain **RESTful APIs** and backend services with a focus on scalability, reliability, and maintainability.
- Build and integrate cloud-based solutions using **AWS** services within a distributed microservices ecosystem.
- Collaborate closely with Frontend, Mobile, Verification & Validation (V&V), QA, DevOps, and Business Analyst teams to deliver end-to-end product features.
- Participate in code reviews and merge-request approvals using **GitLab** and **Jira**, upholding Agile development best practices.
- Leverage AI-powered development tools such as **Cursor AI** to accelerate code reviews and improve overall code quality.
- Contribute to architecture discussions and production troubleshooting, continuously improving service performance and reliability.

Client Engagement: Anaqua — Intellectual Property Management Platform

Nov 2024 – Nov 2025

Technologies: .NET Core, Angular, SQL Server, Selenium

- Developed and maintained backend modules using **.NET Core** and **C#** for a large-scale Intellectual Property Management platform serving enterprise clients.
- Implemented UI enhancements, validation logic, and bug fixes using **Angular** and JavaScript, improving front-end reliability.
- Designed and consumed **RESTful APIs** to enable seamless communication between frontend and backend systems.
- Wrote and optimized SQL Server queries, schema updates, and data validations using SSMS.
- Contributed to **Selenium**-based test automation for USPTO-related workflows, improving process efficiency and reducing manual QA effort.
- Partnered with senior developers and US-based teams across Agile/Scrum ceremonies (sprint planning, stand-ups, reviews) to deliver scalable, maintainable solutions.
- Explored AI-assisted development using **GitHub Copilot** and a Claude model during a proof-of-concept, improving coding efficiency and solution exploration.

- Followed secure coding practices and SDLC standards throughout feature development and enhancement work.

PERSONAL PROJECT

E-Commerce Web Application — Independent Project

Technologies: ASP.NET MVC, C#, SQL Server, HTML5, JavaScript

- Built a full-stack e-commerce application using **ASP.NET MVC**, C#, and SQL Server, including user authentication, product catalog management, shopping cart, and order processing.
- Designed and developed **RESTful APIs** with CRUD operations, validation, and structured error handling.
- Implemented a responsive front-end with MVC views integrated to backend logic for seamless data flow.
- Built real-time product search and filtering features, strengthening problem-solving and full-stack development skills.

TRAINING EXPERIENCE

Software Engineer Trainee (.NET) — HTD Program, TekPyramid (Client: Capgemini) June 2024 – Nov 2024

- Completed an intensive Hire-Train-Deploy (HTD) program focused on .NET application development.
- Designed and developed a Tour Management System with Tours, Packages, Tourists, and Guides modules.
- Received hands-on training in C#, ASP.NET / ASP.NET Core, and SQL Server within a sprint-based evaluation model simulating real project delivery.
- Implemented CRUD operations, business logic, and backend validations following layered architecture and clean coding practices.
- Cleared the final technical evaluation and was deployed to Capgemini as a full-time Software Engineer.

EDUCATION

Bachelor of Technology (B.Tech) — C R Reddy College of Engineering, Eluru, Andhra Pradesh 2019 – 2023

CGPA: 7.87

Intermediate (Class XII) — Sri Chaitanya Junior College, Eluru, Andhra Pradesh 2017 – 2019

CGPA: 9.82

AWARDS & RECOGNITION

- **GEM Award and Client Appreciation Award** — for stabilizing critical USPTO integrations and improving system reliability.
- **Capgemini WOW Award** — for consistent delivery and quality contributions.
- **Client Product Team Appreciation** — for effective contributions to feature development and strong delivery ownership.