

Tanmay Tank

Chhindwara, MadhyaPradesh, 480001 | taunktanmay001@gmail.com | +91-9754820616

LinkedIn Profile: [Tanmay Tank](#)

Professional Summary

Highly motivated Full Stack Developer with 2.4 years of hands-on experience in developing robust applications using .NET Core Web API, Entity Framework, SQL Server, and Angular. Demonstrated expertise in crafting RESTful APIs and building dynamic user interfaces. Proficient in database design and performance optimization, ensuring optimal efficiency and scalability. Well-versed in Agile methodologies, committed to streamlined development processes and rapid project delivery. Committed to delivering efficient, user-centric solutions while staying abreast of emerging technologies.

Education

SAGE University, Indore (MP)

Master's in computer application (MCA) | Nov 2021 – Sept 2023 | CGPA: 7.40/10

Relevant Coursework: Object-Oriented Programming, Databases, Data Structures and Algorithms, Operating Systems, Computer Networking, Software Engineering, Software Testing, Data Analytics, Web Technologies.

Gov. Autonomous Post Graduate College, Chhindwara (MP)

Bachelor of Computer Application (BCA) | Jul 2019 – Sept 2021 | CGPA: 6.64/10

Relevant Coursework: C++, Core Java, .NET (using ASP), DBMS, Data Structures, Web Designing, Office Automation, Software Engineering, Software Testing.

Skills

Languages: C#, .NET, SQL, JavaScript, TypeScript

Technologies: ASP.NET, ASP.NET MVC, .NET Core Web API, Entity Framework Core, LINQ, Dapper, SQL Server, MySQL, Postgres SQL, Angular, Angular Material, Microservices Architecture.

Tools: Visual Studio, Visual Studio Code, Git, GitHub, PgAdmin, Post-Man, Swagger.

AI Integration: OpenAI API integration, Prompt Engineering, AI-driven application development

Work Experience

Full Stack Developer

smartData Enterprises Inc., MIHAN, Nagpur | Feb 2023 – Present

- Developed and maintained RESTful APIs using .NET Core Web API, ensuring high performance and scalability.
- Implemented database design and optimization strategies in SQL Server, enhancing data retrieval and storage efficiency.
- Designed and developed dynamic user interfaces using Angular, delivering intuitive and responsive web applications.
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- Integrated OpenAI API with .NET Core for prompt engineering, enhancing application functionality with AI-driven features.
- Collaborated with cross-functional teams to understand project requirements and translate them into technical solutions.
- Actively participated in Agile ceremonies, including sprint planning, daily stand-ups, and retrospectives.
- Kept abreast of industry trends and emerging technologies, incorporating new tools and practices into development processes to drive innovation and improve productivity.

Project Work

1. Quotation Management System:

Objective:

Developed and implemented a cloud-enabled SAAS-based online quoting system tailored for industrial supplies. The platform aimed to automate the entire quoting and invoicing lifecycle, while enhancing stakeholder communication through integrated Amazon SNS services and EC2-based hosting infrastructure. The system was designed for performance, scalability, and responsiveness across business functions.

Project Link: - [Red Vest Supply](#)

Key Features:

- Custom Quote Generation and Approval Workflow
- Invoice Automation and History Tracking
- Role-Based Access Control and User Management
- Admin Dashboard for Quote Analytics and Reporting
- Secure Hosting and Deployment on AWS EC2 Instances

Technologies:

- **Database:** MS SQL Server 2019
- **Backend:** .NET Core 6.0, Entity Framework Core, LINQ, Dapper
- **Frontend:** Angular 15, Angular Material

2. Ed-Tech AI Platform

Objective:

Designed and developed a next-generation AI-powered educational technology platform focused on streamlining course management and enhancing student learning experiences. The platform automates content creation, reducing manual workload for educators and enabling personalized learning paths through advanced AI capabilities.

Project links

Marketing site: [OEduAI](#)

Admin site : [Learn Oedu AI](#)

Key Features:

- AI-Driven Course Content Generation using OpenAI
- Role-Based Course and User Management for Administrators, Instructors, and Students
- Personalized Learning Journeys Based on Student Behavior and Progress
- Real-Time Notifications and Engagement via Firebase Cloud Messaging (FCM)
- Interactive Frontend with Progress Tracking, Assessments, and Feedback Loops
- Seamless Content Delivery and Accessibility Optimization

Technologies:

- **Database:** MS SQL Server 2019
- **Backend:** .NET Core 8.0, Entity Framework Core
- **Frontend:** Angular 18, Angular Material
- **3rd Party Tools / APIs:** Firebase Cloud Messaging (FCM), OpenAI API

3. HEAI Support coordination Agency Platform

Objective:

To develop an advanced, fully integrated digital platform that transforms the current support coordination system by modernizing its interface and expanding its functionality. This initiative will deliver a comprehensive UI/UX overhaul, resulting in a fully responsive, mobile-friendly design that significantly improves usability and user engagement.

Key Features:

- Led the design and implementation of a fully integrated digital platform, transforming the legacy support coordination system through a modernized, intuitive UI/UX overhaul.
- Developed a responsive, mobile-friendly interface that enhanced user engagement and streamlined usability across devices.
- Engineered an advanced dashboard and file viewer with in-site editing capabilities for rapid task detail access and intuitive navigation.
- Architected robust team management and communication features, including private internal messaging, company-wide chat with task-specific threads, video conferencing, and multi-factor authentication.

Technologies:

- **Database:** Postgres SQL
- **Backend:** .NET Core 8.0
- **Frontend:** React-ts
- **3rd Party Tools / APIs:** Firebase Identity Toolkit API (REST), AZUR Blob Storage, Twillo

Mini Project: EComApplication

Description:

Created a mini e-commerce application using Angular and .NET Core. Implemented user registration, login, and profile management with unique email and username validation. Integrated JWT token authentication for secure access. Developed CRUD operations for product management and an admin interface with validation for sensitive data handling. Employed proper ORM libraries and optimized database interactions.

Concert Ticket Booking system [Microservice Architecture]

Description:

Developed a robust and scalable *Concert Ticket Management System* using **.NET Web API**, focused on streamlining concert event operations, ticket reservations, sales workflows, and venue capacity management. The architecture followed **modular, domain-driven design principles**, supporting seamless integration with external payment gateways and analytics platforms.

Designed as a **microservice-compatible, RESTful backend**, the system is optimized for integration with **Angular-based web UI**. Emphasized **transactional integrity, scalability**, and **user-centric performance**, ensuring high availability and operational efficiency for both administrators and end-users.

Technologies:

- **Database:** MS SQL Server 2019
- **Backend:** .NET Core 8.0
- **Frontend:** Angular 14
- **3rd Party Tools / APIs:** RabbitMq