

TARUN BORICHA

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PROFESSIONAL SUMMARY

Results-driven **Full-Stack .NET Developer** specializing in **ASP.NET Core, Angular, and SQL Server**. Architected an **AI-powered automation platform** using **Microsoft Azure OpenAI** that reduced maintenance effort by **up to 80%**, significantly improved **application reliability**, and enabled **fault-tolerant execution at scale**. Enhanced system performance by **50%** through **parallel processing and headless browsing**, ensuring stability under **high-volume and heavy workloads**.

PROFESSIONAL EXPERIENCE

Software Engineer

First American (India)

Apr 2024 – Nov 2025

- Designed, developed, and maintained **.NET Core-based backend automation services** processing data from **3,000+ U.S. county and external systems** in a production environment.
- Built a **resilient AI-assisted framework** using **ASP.NET Core concepts, Selenium, and Azure OpenAI**, reducing maintenance effort by **70–80%**.
- Implemented **multi-threaded headless approach**, improving execution performance by **50%**.
- Implemented an **internal scroll-bar adjustment algorithm** to reliably extract information from dynamic web layouts, significantly improving **data consistency**.
- Improved system reliability through **structured logging, centralized exception handling, and retry mechanisms**.
- Worked closely with QA and product teams in an **Agile/Scrum environment**, participating in sprint planning and code reviews.

Frontend Developer (Internship)

Clomotech Pvt. Ltd.

Mar 2023 – Jul 2023

- Developed and enhanced **Angular-based frontend modules** consuming RESTful APIs exposed by backend services.
- Worked closely with backend engineers to ensure seamless **API integration and data flow**.

TECHNICAL SKILLS

Languages: C#, SQL, JavaScript, TypeScript

Backend: ASP.NET Core, Web API, Entity Framework Core, LINQ, Asynchronous Programming

Frontend: Angular, RxJS, HTML5, CSS3

Databases: SQL Server (Complex Queries, Indexing, Performance Optimization)

Architecture, CS Fundamentals & Concepts: Data Structures & Algorithms, OOP, REST APIs, Clean Architecture, SOLID Principles, Asynchronous Programming, JWT Authentication, Microservices Fundamentals

Tools & Platforms: Git, GitHub, CI/CD Pipelines, Postman, Swagger, Azure, AWS (EC2, S3 – Basic)

KEY PROJECTS

E-Commerce Platform – Microservices Architecture

[GitHub Repo](#)

- Designed and built a **microservices-based e-commerce platform** using **ASP.NET Core Web API, Angular, and SQL Server**, following **Clean Architecture and SOLID principles**.
- Implemented independent services for **Authentication, Product Catalog, and Cart**, enabling **isolated deployment, scalability, and fault isolation**.
- Secured the system using **JWT-based authentication and role-based authorization** enforced via a centralized **API Gateway**, protecting all client-service communication.
- Optimized frontend performance by implementing **API Gateway-level response aggregation**, reducing frontend API calls by **60–70%** and simplifying client-side state management.

EDUCATION

B.Tech in Information & Communication Technology

2019 – 2023

Dhirubhai Ambani Institute of Information and Communication Technology, Gandhinagar

ACHIEVEMENTS

- Received “**Pat On The Back – Ingenious**” award for developing an **AI-driven system**, resulting in **\$50K+** annual cost savings.
- Qualified **GATE – Computer Science**.