

AYUSH ANAND

Full-Stack Developer — MERN Stack & .NET Core — System Design — RESTful APIs
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Technical Skills

Frontend: React.js, Angular, JavaScript, TypeScript, HTML5, CSS3, Bootstrap, Responsive Design

Backend: Node.js, Express.js, ASP.NET Core, Entity Framework

Databases: MongoDB, PostgreSQL, SQL Server, Database Design, Query Optimization

Languages: JavaScript, TypeScript, Python, SQL, C#, C++

AI/ML: LLMs, Prompt Engineering, LangChain, RAG Implementation

Tools & Technologies: Git, GitHub, Postman, Docker, AWS, VS Code, Jira

Additional: Redis, Bull Queue, JWT Authentication, Agile Methodologies, Unit Testing

Experience

Consultant - Software Development

Dec 2023 – Nov 2024

LTIMindtree

Mumbai, India

- Developed enterprise web applications using **JavaScript** and **TypeScript**, serving 10,000+ concurrent users
- Built scalable backend services using **ASP.Net Core** and **C#** with **RESTful API** architecture
- Migrated 3 legacy VB6 modules to modern .NET architecture, improving system scalability by 25%
- Implemented **microservices architecture** and optimized database queries, resulting in 20% improvement in response times
- Integrated **RESTful API endpoints** using ASP.NET Core for efficient data fetching and worked with **Microsoft SQL Server** databases
- Collaborated with cross-functional teams using Agile methodologies and managed workflows through Jira
- Debugged and resolved 50+ production issues while maintaining 99.5% system uptime

Software Development Intern

Jan 2023 – Apr 2023

LTI (Ignite Platform)

Remote

- Learned full-stack development with **Angular**, and **TypeScript** integration
- Built responsive web applications using modern JavaScript frameworks and **ASP.Net backend services**
- Developed **RESTful APIs** and **ASP.Net** services with secure authentication mechanisms
- Participated in code reviews and followed industry best practices for scalable application development

Projects

Chronos Web Scheduler | Node.js, Express.js, MongoDB, Redis, Bull Queue

2025

- Built production-ready distributed job scheduling system with comprehensive task management capabilities
- Implemented Redis-backed queue system using Bull Queue for reliable job processing and real-time monitoring
- Designed scalable RESTful API architecture supporting immediate, scheduled, recurring, and delayed job types
- Integrated JWT-based authentication with role-based access control and API rate limiting for security
- Developed system health monitoring, performance metrics, and comprehensive job lifecycle management
- Supported multiple job payloads: email notifications, webhooks, data processing, and custom task execution

Resort Booking System | .NET, SQL Server, Angular, TypeScript, JWT

2024

- Developed full-stack booking platform with separate interfaces for customers and property owners
- Built secure authentication system with JWT tokens and role-based access control
- Created RESTful APIs for resort management, booking operations, and real-time availability tracking
- Implemented responsive frontend with search functionality, booking calendar, and user dashboards
- Optimized database design for handling concurrent bookings and complex query operations

Education

Techno India University

2019 – 2023

Bachelor of Technology in Electronics and Communication Engineering

West Bengal, India

* CGPA: 7.9/10

* Core Member of Tech Fest 'Vivarta' and Cultural Fest 'Sahotsava' in 2022, leading to successful event execution

Certifications & Achievements

LangChain & AI Integration: Self-paced learning with hands-on projects in LLM integration and RAG implementation

Data Structures and Algorithms in C++: Coding Ninjas - Advanced problem-solving skills

SQL Database Management: PrepInsta - SQL optimization and query design

Backend Engineering Launchpad by AirTribe: Practical experience with Node.js, RESTful APIs, and System Design

Open Source Contributions: Active GitHub contributor with focus on AI-enhanced scalable system design