Manasa K N

.NET Full Stack Developer

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Professional Summary

Experienced .NET full stack developer with over 2 years of expertise in building and maintaining web applications. Passionate about writing clean code, solving complex problems, and delivering results in fast-paced environments.

Work Experience

-Central Manufacturing Technology Institute   July 2023 - Present
. NET Full Stack Developer   Bangalore , India

As a .NET Developer, I analyze code defects and failures, implement design fixes, and optimize system architecture and data flow. I develop and integrate data visualization features, ensuring seamless backend-to-frontend communication to meet client requirements.

- Developed and maintained web applications using ASP.NET MVC, incorporating HTML, CSS, and Bootstrap 5 to create responsive and user-friendly interfaces.
- Designed and implemented **RESTful APIs** to facilitate efficient communication between client and server components.
- Utilized **Entity Framework** for streamlined database operations and efficient data access.
- Wrote complex **stored procedures** in **MS SQL Server** to optimize data retrieval and manipulation.
- Optimized SQL queries to improve database performance and reduce application load times.
- Enforced **Role-Based Access Control (RBAC)** for secure authorization and access management
- Conducted **code analysis and refactoring**, enhancing application reliability, maintainability, and performance.
- Designed and implemented **microservices architecture** to improve scalability and ease of maintenance
- Containerized applications using **Docker** to ensure consistency across development, testing, and production environments.
- Followed **Agile methodologies** and the **Software Development Life Cycle (SDLC)** to deliver solutions aligned with evolving client needs.
- Collaborated across teams in a **DevOps environment**, ensuring continuous integration and delivery (CI/CD) practices were effectively implemented.
- Worked closely with cross-functional teams to align technical solutions with business goals and client expectations.

.   **Tech Stack**: C#, ASP.NET MVC, JavaScript, ReactJS, HTML, CSS, Bootstrap, RESTful Web Services, Microservices, Entity Framework, MS SQL Server, Git, Docker

-DevOps Training – JSpider's   Jan 2022 – June 2023
.NET Full Stack Developer   Bangalore , India

Completed hands-on DevOps training focused on deploying applications and managing infrastructure in real-time environments.

- Worked on deploying pre-developed applications using **CI/CD tools** and **cloud platforms**.
- Set up and managed **AWS EC2 instances**, including storage configuration and VPN setup.
- Implemented **IAM roles and policies** to control secure access.
- Used **Docker** to containerize applications and **Jenkins** to automate deployment pipelines.
- Practiced basic **Kubernetes concepts**, **Git version control**, and build automation with **Maven**.

Tools & Technologies: Git, Docker, Jenkins, Maven, Kubernetes (basics), AWS (EC2, IAM, VPN), CI/CD,Linux

Projects

-Ebandhu	2022 - Present
.NET Full Stack Developer	Bangalore – India

Ebandhu is an enterprise-level internal application developed to streamline organizational workflows such as leave management, attendance tracking, procurement requests, and permissions.

Key Responsibilities & Contributions:

- Developed and enhanced multiple modules including:
  - **Leave Management** – Enabled employees to apply and track leaves; integrated approval workflow.
  - **Attendance Module** – Designed logic to capture, view, and manage daily attendance records.
  - **IDR-**Built functionality for daily task and progress reporting.
  - Purchase Below ₹25K and Above ₹25K
  - **OOD (On Official Duty)** & **Permission Modules** – Allowed employees to request official duty entries and short permissions, integrated with manager approvals.

- Used **ASP.NET MVC (C#)** for backend development and **HTML, CSS, Bootstrap** for responsive front-end design.
- Designed and optimized complex **stored procedures** and queries using **MS SQL Server**.
- Participated in **unit testing, integration testing**, and user acceptance testing (UAT) for all modules.
- Successfully **hosted and deployed** modules into the production environment.
- Ensured seamless functionality and performance of all modules post-deployment.

Tech Stack : ASP.NET MVC (C#), HTML, CSS, Bootstrap, MS SQL Server, Stored Procedures,Git,Docker

Education

Maharani Cluster University	2019 - 2022
BCA-Bachelor of Computer Applications	CGPA: 8.5
University Of Mysore	2024-Present
MCA-Master of Computer Applications	Percentage:86%

Certifications

DevOps Certification
Jspider's Basavanagudi , Bangalore

Hobbies

Travelling, Video Editing, Cooking , Listening to music