Gaurav Parange

BACKEND DEVELOPER

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Professional Summary

Highly motivated .NET Core Developer with 3 years of experience in developing robust backend solutions using MS SQL Server, MySQL, and Web API. Proficient in developing secure, scalable systems and collaborating with frontend teams (especially Angular) for seamless integration. Adept at applying clean code principles, design patterns, and modern authentication techniques to deliver high-quality solutions.

Technical Skills

- **Languages & Frameworks**: .NET Core, C#, ASP.NET Core, Entity Framework Core, LINQ
- **Databases:** MS SQL Server, MySQL
- **APIs:** RESTful APIs, Web API, JWT Authentication
- **Tools & Technologies:** Git, Visual Studio, Postman
- **Frontend (Basic):** HTML, CSS, JavaScript, Bootstrap
- **Software Design:** Clean Code Principles, Generic Repository Pattern, MVC, Software Design Patterns

Professional Experience

P-Mech Technologies (PMT) | Backend Developer   June 2022 - Present

- Migrated legacy projects to modern platforms using .NET Core and implemented Generic Repository Pattern for scalable code architecture.
- Developed secure **Web APIs** with **JWT Authentication** and role-based access controls for enhanced data security.
- Designed and optimized complex SQL stored procedures for data migration, reporting, and automation.
- Collaborated with frontend teams to integrate APIs seamlessly, ensuring smooth user experiences.
- Implemented automated scheduled emails for project/task reports, improving communication efficiency.

P-Mech Technologies (PMT) | Intern   March 2022 – June 2022

- Contributed to an Angular project, resolving calculation errors to ensure accurate data processing.
- Developed a company portfolio website using HTML, CSS, JavaScript, and Bootstrap.

Project Experience

PMT Tank https://www.pmttank.com/#/login

- Spearheaded the migration of an old project to a new platform, implementing the Generic Repository Pattern and Clean Code principles to improve scalability and maintainability.

- Developed a Save Functionality that integrated project and tank data with numeric values for transaction-based calculations.

- Created complex stored procedures for migrating old data into a newly structured database, ensuring data integrity and accuracy

- Led database migration efforts using Entity Framework Core (Code-First Approach), ensuring a smooth transition to the new table structure.

- Integrated JWT Authentication for secure login functionality and implemented password encryption to enhance system security.

- Collaborated with cross-functional teams to ensure seamless project migration and high quality delivery.

PMECH HR Careers https://www.pmechcareers.com/login

- Developed the system from scratch using ASP.NET Core Web API, designing APIs for saving, retrieving, and updating candidate data with seamless integration into the database.

- Utilized Entity Framework Core (Code-First Approach) to structure the database and manage the candidate-related data in MySQL

- Implemented a secure login system for candidates, using an OTP-based authentication method via email for seamless and secure access.

- Employed the Generic Repository Pattern and Service Pattern to ensure scalability and maintainability of the backend code.

- Followed Clean Code practices and used dependency injection for better code organization and testability

- Worked closely with the team to ensure a smooth integration of the login functionality and efficient management of candidate data.

PMECH Timesheet

- Developed and maintained a timesheet management system using Entity Framework Core (Code-First Approach) for effective database design and management in MySQL.

- Built robust Web APIs for Get, Save, and Update operations, leveraging the Generic Repository Pattern for reusable and scalable data access logic.

- Designed and optimized complex stored procedures and triggers in MS SQL Server to generate detailed reports such as Defaulter, Project Overview, Task Allocation, and Department Reports

- Developed automated scheduled emails through stored procedures to send project and task allocation reports at predefined intervals.

- Implemented role-based access control using a Profile Pattern, ensuring that users could access relevant menus and features based on their roles.

- Applied JWT Authentication and password encryption to ensure secure access to sensitive data.

Education

Bachelor of Science in Computer Science   **2018 – 2021**

Pillai HOCL College of Arts, Science, and Commerce, Rasayani

Certifications & Awards

- Diploma in .NET (Certification), IIHT Institute, Kharghar
- Silent Hero Award for exceptional performance and dedication at P-Mech Technologies (2024).