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KEERTHANA M

ASSOCIATE SOFTWARE ENGINEER

Education

B.TECH- INFORMATION TECHNOLOGY

Anjalai Ammal Mahalingam Engineering College | 2017–2021

Anna University

CGPA–7.6

HIGHER SECONDARY(12TH)

Oriental Higher Secondary School | 2017
Percentage 76%

SECONDARY SCHOOL(10TH)

Oriental Higher Secondary School | 2015
Percentage 75%

Technical Skills

Front-End Technologies: HTML, CSS, JavaScript, React

Back-End Technologies: C# (.NET), SQL Server, API development.

Microsoft Web Technologies: ASP.NET, ASP.NET MVC, ASP.NET Core with Web API.

Microsoft Frameworks: Model-View-Controller (MVC) architecture.

Database Technologies: SQL Server, MySQL.

Development Tools: Visual Studio 2022, Visual Studio Code, Git, GitLab, PostMan

Soft Skills

- Strong communication and collaboration skills
- Quick learner and adaptable to new technologies
- Detail-oriented with focus on code quality
- Comfortable in Agile/Scrum environments

Professional Summary

.NET Developer with 2.7 years of experience delivering scalable web applications using ASP.NET MVC, .NET Core, C#, Web API, and SQL Server/MySQL. Proficient in front-end development with HTML, CSS, JavaScript, and Bootstrap. Skilled in integrating RESTful APIs, implementing Entity Framework and ADO.NET, and optimizing SQL queries — improved API response times by 30% and reduced database load by 25% through query tuning and caching. Adept at working in Agile/Scrum environments, collaborating with cross-functional teams, and delivering clean, maintainable code that meets business requirements.

Experience

Associate Software Engineer

Sheenlac Paints Limited, Chennai | Dec 2023 – Jul 2025

- Developed and maintained scalable web applications using ASP.NET MVC, C#, and JavaScript, improving system stability and maintainability.
- Designed responsive front-end interfaces with HTML, CSS, and Bootstrap, enhancing user experience and mobile compatibility.
- Integrated and consumed RESTful APIs with SQL Server and Oracle backends to enable secure, real-time data exchange across modules.
- Optimized complex SQL queries and implemented caching mechanisms, reducing page load time and database load by up to 30%.

Software Trainee

Gtek Techno Solutions, Chennai | Sep 2022 – Sep 2023

- Built and maintained scalable web applications using ASP.NET, C#, and SQL Server to meet dynamic business requirements.
- Created optimized stored procedures, functions, and complex SQL queries in both SQL Server and MySQL.
- Documented and maintained RESTful APIs, and performed troubleshooting, debugging, and performance optimization.
- Implemented security standards and followed best practices to ensure API reliability and data protection.

Project Summary

Project 1 : Customer Status Report (May 2025 – Jul 2025)

Type: Web & Mobile-Based Application (.NET Core 8 Web API, C#, MySQL, Entity Framework)

Description:

Automated finance reporting by integrating file upload APIs for processing data from Sundram Finance and Rupifi Finance, replacing manual data entry with backend processing and validation logic.

Responsibilities:

- Developed API endpoints for file upload and data retrieval from backend logic.
- Designed stored procedures to process and validate uploaded financial data.

Key Technologies: .NET Core 8 Web API, C#, SQL, Entity Framework, API Integration.

Project 2 : Bank Payment Automation (Sep 2024 – May 2025)

Type: Web & Mobile-Based Application (.NET Core 8 Web API, C#, MS-SQL, LINQ, Entity Framework, Bank API Integration, SAP API Integration)

Description:

Developed an automated payment processing system enabling direct transactions from ERP to bank APIs (NEFT, RTGS, IMPS), eliminating manual payment entries and ensuring secure, real-time fund disbursement.

Responsibilities:

- Designed, developed, and tested secure payment workflows (NEFT/RTGS/IMPS) through .NET Core APIs.
- Implemented encryption, token-based authentication, and audit logging for compliance and security.
- Validated beneficiary details, transaction limits, and bank-specific payment rules before execution.

Key Technologies: .NET Core 8 Web API, C#, SQL, LINQ, Entity Framework, Bank API Integration.

Project 3 : HRMS (Feb 2024 – Jun 2024)

Type: Web & Mobile-Based Application (.NET Core 8 Web API, C#, MySQL, Entity Framework)

Description:

Created a human resource management portal to automate attendance tracking, leave management, and late arrival detection with monthly permission limits and automated privilege leave allocation.

Responsibilities:

- Developed APIs for attendance punch-in/punch-out, leave applications, and permission workflows.
- Applied server-side validations to enforce HR rules, including maximum monthly permissions and late arrival limits.
- Built stored procedures for automated leave allocation after one year of service

Key Technologies: .NET Core 8 Web API, C#, MySQL, Entity Framework, code on time.

Declaration

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I, M Keerthana, hereby affirm that the information provided above is accurate and complete to the best of my knowledge.

Place: Chennai

Date:

Signature :_____

(M.Keerthana)