

RAMESH THAPA

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SOFTWARE ENGINEER (C#)

Senior Software Engineer with 8 plus years of experience in analysis, design, development, and maintenance of various desktop and web applications using Microsoft technologies including C#, .NET Framework, .NET Core, MSSQL, Entity Framework, LINQ, ASP.NET, MVC, WEB API, and WPF. Exceptional problem solver with an aptitude for troubleshooting and the ability to quickly master new skills, technology, or roles.

Database Design • Database Programming • Object-Oriented Programming • Microservices • Back-end/
Front-end Development • Azure DevOps • Authentication • Authorization • Version Control
Technical Documentation • CI/CD • Web API development • Agile Development

Languages: C#

Web: TypeScript, JavaScript, jQuery

Web Services: REST, SOAP, Microservices, JSON

Web/App Servers: IIS

Frameworks: .NET Framework, .Net Core, Angular, Entity Framework

Databases: MS SQL, SQLite, MongoDB, Redis Cache

Design Patterns: MVC, Singleton, Prototype, Session, Session Factory, Observer, Strategy, Builder, Proxy, Template

SDLC: Agile, Waterfall

Tools: Git, TFS, VS Code, Visual Studio, SSMS, Postman, Telerik UI, Azure Pipeline Azure Data Studio, SQL Profiler, IIS, Redis Desktop Manager, Robo3T, StarUML

Platforms: Windows, Azure

PROFESSIONAL EXPERIENCE

CAREER NOTE: Completed on-campus studies and currently taking distance education courses to complete a **Master's Degree in Computer Science** (Available for full-time, W-2 employment).

DOLPHIN DIVE TECHNOLOGY, Jhamsikhel, Lalitpur, Nepal • 04/2018 – 12/2022

US-based outsourcing company providing complete IT solutions from requirement analysis to code development, quality assurance, and assistance for deployment for PensionPro Software, PA, United States.

Sr. Software Engineer, Team Lead

Requirement Analysis, Technical documentation, Coding, Troubleshooting, Code Review

- Groomed technical user stories/features after getting requirements from the product team.
- Rewrote features of Windows desktop application (WCF|WPF) on the web using Angular and ASP.NET Web API.
- Designed and implemented the user interfaces (UI) with the provided mockup by the product team.
- Troubleshot prevailing production bugs by communicating with clients and receiving tickets.
- Mentored new developers in underlying business-specific knowledge, architectural patterns, project structure, development practices, technical documentation, debugging, and troubleshooting.

Technologies Used: C#, .NET Framework, .NET Core, HTML, CSS, SCSS, Angular, Entity Framework, linq2db, LINQ, ASP.NET, MVC, WEB API, XAML

Javra Software Nepal, Nakhu, Lalitpur, Nepal • 12/2014 – 01/2018

IT company that specializes in providing software development and IT solutions.

Software Engineer

Build Windows App, Web Api for SaaS application, Task estimation, Design Windows App UI (XAML)

- Participated in task estimation and breakdown with the product team.
- Designed and implemented the user interfaces (UI) with the provided mockup by the product team.
- Worked on integrating web service on the app for communicating with other applications.
- Worked on an existing app to add new features and fix existing issues.
- Participated in requirement analysis and architecture design of SAAS Application.
- Actively involved in database analysis and design for the fresh project.
- Developed codes for web applications and web API for client apps.
- Designed web API and support team members to consume the API.

Technologies Used: C#, XAML, WPF, WinRT, Asp.net MVC, MS SQL, Razor view

ACADEMIC PROJECTS

Maharshi International University (2023) Shared Expense Tracking Application:

The main aim of this project was to provide a collaborative platform for a group of users to effectively track and manage their shared expenses. The application enables users to record their individual expenditures, calculate the total expenses incurred, and determine the amount owed by each user within the group. Utilized Angular, NodeJS

Maharshi International University (2023) School Rewards System:

The School Rewards System (SRS) is a web application designed to allow school students to use their scores to receive rewards. The system employs a microservices architecture to ensure scalability, maintainability, and modularity. Utilized Java, Spring Boot, Microservices architecture, MongoDB, Apache Kafka, Spring Security, Spring Cloud Config, RestTemplate, Spring Cloud Sleuth

EDUCATION

Master of Science in Computer Science

(In progress via distance education; expected completion 10/2025)

Maharshi International University, Fairfield, Iowa

Key Courses: Algorithms, Software Architecture, Web Programming, Modern Programming Practices

Bachelor's Degree in Electronics and Communication Engineering

Kathford International College of Engineering & Management Tribhuvan University, Kathmandu, Bagmati
(10/2013)