

HANAMANT P PATIL

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PROFESSIONAL SUMMARY

Results-driven Software Developer with 2+ years of experience specializing in .NET technologies, including ASP.NET Core MVC and WPF desktop applications. Proven expertise in developing scalable web applications, industrial automation systems with PLC integration, and implementing MVVM architecture. Strong background in full-stack development with proficiency in C#, Entity Framework, SQL Server, and modern UI frameworks. Demonstrated ability to deliver high-quality software solutions that improve system performance and enhance user experience.

TECHNICAL SKILLS

Backend & Frameworks

- ASP.NET Core MVC, ASP.NET MVC, Entity Framework Core, RESTful API Development
- WPF (Windows Presentation Foundation), MVVM Pattern, Data Binding (One-Way, Two-Way)
- Dependency Injection, Authentication & Authorization (ASP.NET Identity)

Programming & Databases

- C# (Object-Oriented Programming), Asynchronous Programming (async/await)
- SQL Server, T-SQL, Database Design & Optimization
- Threading & Multithreading, Performance Optimization

Frontend & UI

- HTML5, CSS3, JavaScript, jQuery, Razor Pages, XAML
- Responsive Web Design, Bootstrap

Tools & Methodologies

- Git, GitHub, Version Control, Agile/Scrum Methodology
- Visual Studio, VS Code, Debugging & Troubleshooting

PROFESSIONAL EXPERIENCE

Associate Software Engineer

b+m surface system | November 2023 - Present

- Developed and maintained full-stack web applications using ASP.NET Core MVC with C# and Entity Framework Core, serving 500+ daily users
- Built enterprise-grade WPF desktop applications using MVVM architecture pattern for industrial automation and control systems
- Integrated PLC systems with WPF applications using VisiWin server for real-time data monitoring and control, reducing manual monitoring by 60%
- Implemented advanced WPF features including complex data binding, custom controls, and responsive UI for touch-screen displays
- Designed and developed RESTful APIs for data exchange between multiple systems, improving system integration efficiency by 40%
- Optimized database queries and implemented caching strategies, resulting in 35% improvement in application response time
- Collaborated with cross-functional teams in Agile environment to deliver high-quality software solutions on schedule

Associate Software Engineer

Zeel Code Software Solutions | February 2023 - October 2023

- Developed and maintained ASP.NET MVC applications using C# and Entity Framework, implementing full CRUD operations
- Created RESTful APIs and integrated authentication & authorization using ASP.NET Identity for secure user management
- Built responsive UI components using HTML5, CSS3, JavaScript, and jQuery, ensuring cross-browser compatibility

- Optimized SQL Server databases by redesigning schemas and creating efficient stored procedures, improving query performance by 45%
- Performed debugging, troubleshooting, and performance optimization to enhance application reliability and user experience

KEY PROJECTS

WPF Industrial Automation System with PLC Integration

Technologies: WPF, C#, MVVM, VisiWin Server, PLC Integration, Entity Framework, SQL Server

- Developed codeless automation testing tool for industrial HMI applications using WPF and MVVM pattern
- Implemented real-time communication with PLC systems through VisiWin server APIs for bidirectional data exchange
- Created interactive dashboards for monitoring PLC variables, system status, and historical trend analysis
- Designed custom WPF controls for touch-screen industrial displays with responsive UI patterns
- Achieved 60% reduction in manual monitoring effort through automated alert systems and data logging features

Comprehensive ERP System for Educational Institutions

Technologies: ASP.NET Core MVC, C#, Entity Framework Core, SQL Server, JavaScript, jQuery

- Architected and developed modular ERP system covering Student Information, Admission, Fee Management, and Attendance modules
- Implemented role-based security with granular data access control for administrators, faculty, and students
- Built real-time reporting and analytics dashboards using Chart.js for data-driven decision-making
- Designed user-friendly interface with customizable configurations to adapt to different institutional requirements

Hospital Management System

Technologies: ASP.NET Core, Entity Framework Core, SQL Server, RESTful APIs

- Developed comprehensive hospital management system for optimizing patient management and appointment scheduling
- Implemented patient registration, electronic health records, billing, and payment processing modules
- Created RESTful APIs for seamless integration with third-party pharmacy and diagnostic systems
- Ensured HIPAA compliance with secure authentication, data encryption, and comprehensive audit logging

EDUCATION

Bachelor of Engineering in Computer Science

S.G. Balekundri Institute of Technology, Belagavi (VTU) | 2023 | CGPA: 7.5/10

ADDITIONAL INFORMATION

- Strong problem-solving abilities with experience in debugging complex multi-tier applications
- Excellent team collaboration and communication skills in Agile/Scrum environments
- Passionate about learning new technologies and staying current with industry best practices
- Available for immediate joining and open to relocation