Vineeth Vasudevan

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PROFESSIONAL SUMMARY

Skilled Software Developer with 5+ years of experience specializing in .NET Framework and .NET Core development. Proven expertise in delivering scalable, high-performance code and driving impactful improvements within healthcare technology, particularly in Medicaid Management Information Systems (MMIS). Adept at modernizing critical processes, including enhancing user experience, streamlining beneficiary enrollment, and optimizing provider interactions. Key contributor to the successful implementation of document capture, letter generation, and electronic document management systems (EDMS), significantly advancing electronic data interchange (EDI) processes. Known for a strong analytical mindset and ability to reduce processing times, resulting in increased operational efficiency. Collaborative team player with a track record of delivering innovative software solutions in fast-paced, dynamic environments.

EDUCATION

California State University, Fullerton   May 2019
Master of Science, Computer Science

Sir M. Visvesvaraya Institute of Technology   June 2016
Bachelor of Engineering, Computer Science

TECHNICAL SKILLS

- Programming Languages: C#, C++, Java, Python, HTML, CSS, JavaScript
- Frameworks & Technologies: .NET Core, ASP.NET, jQuery, REST APIs, Microservices, WPF, Qt
- Database: MySQL, SQL Server, Oracle database
- Operating System: Linux, Windows, macOS
- Tools: Git, Azure, AWS, Docker, Visual Studio, VS Code, Bitbucket, JIRA, PowerShell, MS Visio, SharePoint, Office365
- Methodologies**:** Agile (Kanban, Scrum), Test-Driven Development (TDD)
- Compliance & Standards**:** HIPAA, FHIR, EHR/EMR, HL7, 508 Compliance
- Other: MSTest, IBM CMOD, VMware, NuGet Package Manager

EXPERIENCE

Gainwell Technologies (formerly DXC Technology), El Paso, TX   February 2020 - October 2023
Professional Programmer Analyst

- Developed C# scripts to automate the image conversion process, improving file storage efficiency and achieving indexing of over 1 million healthcare images on IBM Content Manager OnDemand (CMOD), enhancing the Electronic Document Management System (EDMS).
- Spearheaded performance optimization initiatives, reducing processing times by 40% through refactoring code and streamlining workflows.
- Led stress testing efforts to identify bottlenecks and improve system resilience, consistently achieving 99.9% uptime for critical healthcare applications.
- Collaborated with cross-functional teams in a Lean, Agile environment, implementing the Kanban framework for continuous delivery and maintaining code quality through rigorous code reviews.
- Designed and developed dynamic letter generation templates and UI components using SOAP and REST APIs, improving provider communications and operational workflows in MMIS.
- Authored comprehensive technical documentation, including use cases and functional requirements, ensuring alignment with healthcare regulatory standards (HIPAA, FHIR) for PHI/PII data handling.
- Mentored summer interns and onboarded new recruits, leading training sessions to boost team productivity and knowledge sharing.

California State University, Fullerton, Fullerton, CA   March 2018 - May 2019
Programmer Assistant/Analyst

- Developed and deployed a comprehensive parking management website for the university, utilizing ASP.NET, SQL Server, and Test-Driven Development (TDD) principles.
- Ensured 508 compliance and accessibility standards (ATI compliance) for users with disabilities, aligning with university and state guidelines for accessible web design.
- Optimized the existing codebase for scalability and performance, reducing page load times by 25% and improving overall system reliability.
- Worked with OU Campus web CMS, leveraging HTML, CSS, and JavaScript to improve user experience and interface functionality.
- Revamped code to integrate upcoming releases and patches, updated documentation to reflect project deviations, and actively participated in code reviews.

Zmenit Technology Solutions, Bangalore, India   October 2016 - April 2017
Software Programmer

- Developed and enhanced desktop applications using Windows Presentation Foundation (WPF), .NET Framework, and multithreading techniques, ensuring the systems met performance and scalability requirements.
- Refactored legacy systems to improve efficiency and reduce technical debt, working closely with the testing team to ensure the applications met performance and security standards.
- Designed and implemented relational database schemas and optimized SQL queries to handle large datasets, ensuring data integrity and efficient access.
- Participated in SCRUM-based development, contributing to sprint planning, daily standups, and code reviews, ensuring timely delivery of software releases.

FREELANCE PROJECTS

Excel Report Automation – Robert Bosch

- Developed a modular .NET console application to deserialize complex JSON data and generate dynamic Excel reports using ClosedXML.
- Applied SOLID principles to ensure scalability, maintainability, and clean code architecture.

Checklist Module – AATD Compliance Solutions

- Built a SQL Server–driven checklist system using complex CTE-based joins and filters to support compliance workflows.
- Implemented ASP.NET MVC with MediatR-based backend handlers, Kendo UI Grid, dynamic column configuration, and LINQ for a modular, bookmarkable front-end and back-end system.
- Resolved environment-specific issues using Azure Kudu, Application Insights, and runtime configuration debugging.
- Implemented async workflows, data integrity fixes, and optimized stored procedures for performance.
- Debugged and resolved issues in data synchronization across multiple relational tables.