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Nitin Sawant

Senior Software Engineer

.NET back-end developer with 14+ years of experience in professional application development using Microsoft Technologies

**PROFESSIONAL SUMMARY**

Experienced .NET back-end developer skilled in Microsoft technologies, including ASP.NET, C#, SQL, and JavaScript frameworks. Proven ability to lead technical teams, communicate effectively with stakeholders, and deliver successful projects across diverse domains. Demonstrated expertise in full SDLC management, including requirement analysis, design, development, and deployment of complex applications. Recognised for exceptional problem-solving skills, a strong foundation in OOP and design patterns, and commitment to delivering high-quality solutions.

**TECHNICAL SKILLS**

* **Languages:** C#, SQL, JavaScript, VB.NET
* **Technologies:** ASP.NET MVC, Web API, Micro Services, Entity Framework, LINQ, .NET core
* **Frontend:** jQuery, Bootstrap, HTML5, CSS3, AJAX
* **Tools:** Visual Studio, Azure DevOps, TFS, Git
* **RDBMS:** MS SQL Server
* **Source Control:** Git, TFS
* **Specialized Tools:** SQL Profiler, Fiddler, JIRA, IIS Administration

**PROFESSIONAL EXPERIENCE**

**Organization: CIGNITI Technologies | Nov 2021 to Dec 2024 (3 years 1 month)  
Role:** Lead | Senior Software Engineer  
**Client Projects:** AADC (Al-Ain Distribution Company) & ADDC (Abu-Dhabi Distribution Company)

**Responsibilities:**

* Led the design, development, and implementation of web applications to support client initiatives.
* AADC Rebate Application: Developed a web platform for AADC’s Equipment Rebate Initiative, promoting energy-efficient appliances to reduce electricity and water consumption. Managed a multi-level approval workflow allowing retail partners to submit rebate requests with equipment details and document uploads for approval.
* ADDC Electricity Disconnection System: Built a web application to facilitate temporary electricity disconnection requests, integrating a seamless workflow where users submit details to create cases directly in Oracle CC&B.

**Key Activities:**

* Conducted system analysis and designed new application modules to meet client requirements.
* Managed end-to-end coding, including web forms development for AADC rebate application.
* Performed code reviews, wrote unit tests, and ensured bug-free implementations.
* Collaborated across teams to enhance and troubleshoot project components, ensuring optimal functionality.

**Technology Stack:**

* Languages & Frameworks: C#, ASP.NET MVC, .NET Core, SQL, LINQ, Entity Framework, Web Services, Micro Services
* Tools & Environments: Visual Studio, TFS, GIT, Oracle CC&B, jQuery, CSS, HTML

**Organization: CoreTech Inova LLC / TeknoTerra | May 2019 to Nov 2021 (2 years 7 months)  
Role:** Senior Software Engineer

**Responsibilities:**

* Led development efforts on innovative IoT and web applications, focusing on system analysis, design, and end-to-end implementation of new modules.
* SAM™ - Septic Alert Monitor: Engineered a web application using Particle photon IoT chip for real-time monitoring of septic tank water levels. This system alerts users via mobile notifications for high water levels, logs monthly data, and provides alerts for low battery conditions. Enabled seamless integration of monthly email reports to keep users informed.
* Inspection Form Automation: Developed a digital platform for septic inspection forms, transforming manual processes into an efficient online system. This application supports form completion with the addition of photos, notes, and location mapping of septic components, ultimately generating detailed PDF reports.

**Key Activities:**

* Conducted comprehensive system analysis, designed and implemented new modules, and ensured high-quality coding standards.
* Executed code reviews, unit testing, and regular bug-fixing sessions to ensure robust application performance.
* Collaborated with cross-functional teams, enhancing and troubleshooting IoT and web application components.

**Technology Stack:**

* Languages & Frameworks: C#, ASP.NET Core, Web API, LINQ, Entity Framework
* Frontend & UI: jQuery, Bootstrap, Xamarin
* IoT & Cloud: Particle IoT, Azure DevOps, AWS
* Testing & DevOps: MS-Unit, Azure DevOps

**Organization: Harjai Computers Pvt Ltd | Feb 2018 to Oct 2018 (9 months)  
Role:** Senior Software Engineer

**Responsibilities:**

* Developed web applications for the financial and trading sectors, focusing on system analysis, module design, and implementation using ASP.NET technologies.
* Client: India Infoline Ltd (5paisa.com Online Trading Platform): Built an online trading platform that enables commodity and equity trading, with features like stock market data display, customizable watch lists, and advanced search functionality for stocks, commodities, and options.
* Client: Angel Broking (DIYKYC Account Opening Application): Designed and implemented a DIYKYC web application for account opening. Integrated E-Sign True Copy API for Aadhaar-based e-signing and ATOM payment gateway for secure transactions. Ensured a seamless, multistep account creation process with OTP verification.

**Key Activities:**

* Conducted system analysis, designed new modules, and implemented solutions to meet client requirements.
* Performed coding, code reviews, and unit testing to ensure application reliability and performance.
* Regularly identified and resolved bugs to enhance system functionality and user experience.

**Technology Stack:**

* Languages & Frameworks: C#, .NET Core, ASP.NET MVC, Web API, LINQ, Entity Framework
* Frontend & UI: jQuery, Bootstrap, Angular 5
* Tools & Environments: TFS, MS-Unit

**Organization: Chenoa Information Services | Dec 2016 to Sept 2017 (10 months)  
Role:** Senior Software Engineer

**Client: FITZROY Healthcare  
Sector: Healthcare  
Project: FIDES - Cloud-Based Innovation Platform**

**Overview:**  
As a Senior Software Engineer at Chenoa Information Services, you will play a pivotal role in the development of a healthcare web application, FIDES, a platform that enables the funding of innovations and research in the healthcare industry. Your expertise will contribute to the seamless workflow of this project, enhancing the healthcare ecosystem.

**Key Responsibilities:**

* System Analysis & Design: Collaborate with the team to understand requirements and design new modules for the platform.
* Development: Develop web applications using ASP.NET MVC, ensuring robust functionality and scalability.
* Coding & Code Reviews: Implement clean, efficient code and participate in peer code reviews to ensure quality.
* Unit Testing: Write unit tests to ensure the platform’s reliability and robustness.
* Bug Fixing: Identify and resolve issues to ensure smooth operation and performance.

**Skills & Technologies:**

* Languages: C#, JavaScript
* Frameworks: ASP.NET MVC, AngularJS, Entity Framework, LINQ, jQuery
* Tools: TFS, Bootstrap, MS-Unit
* Methodologies: Agile, Unit Testing, Code Reviews

**Organization: Tata Consultancy Services | May 2015 to Oct 2016 (1 year 6 months)  
Role:** IT Analyst

**Client: Bank of America – Merrill Lynch  
Sector: Banking & Finance  
Project: Online Trading Platform - Research & Insights**

**Overview:**  
As an IT Analyst at Tata Consultancy Services, you will contribute to the development of various web applications, including an Online Trading Platform for Bank of America. This platform enables users to perform market research and access utilities for stocks, ETFs, options, and mutual funds. Your role will be crucial in designing and developing new modules, ensuring the platform’s robustness and reliability.

**Key Responsibilities:**

* System Analysis & Design: Analyse system requirements, design solutions, and develop new modules for the platform.
* Web Application Development: Develop and maintain web applications using ASP.NET MVC and related technologies.
* Coding & Code Reviews: Write clean, efficient code and participate in peer code reviews to ensure high-quality standards.
* Unit Testing: Develop and implement unit tests to ensure the platform is bug-free and performs reliably.
* Bug Fixing: Identify and fix bugs to ensure smooth and consistent performance across applications.

**Skills & Technologies:**

* Languages: C#, JavaScript
* Frameworks: ASP.NET MVC, AngularJS, Entity Framework, LINQ
* Tools: TFS, Bootstrap, MS-Unit, JSON
* Methodologies: Agile, Scrum, Unit Testing, Code Reviews

**Project: SHIFT LMS | e-Learning System (**[**www.shiftlms.com**](http://www.shiftlms.com)**)**

**Overview:**  
This project is focused on developing an online Learning Management System (LMS) to create courses, add chapters and sections, manage students, conduct tests, and generate reports. The platform integrates Stripe for subscription management.

**Key Responsibilities:**

* System Analysis & Design: Collaborate with the team to understand requirements and design new modules for the LMS system.
* Web Application Development: Use ASP.NET MVC and AngularJS for developing and maintaining the LMS system.
* Coding & Code Reviews: Write and review code to ensure quality, efficiency, and scalability.
* Unit Testing: Develop and implement unit tests to ensure the system’s functionality and performance.
* Bug Fixing: Resolve issues and improve system reliability and performance.

**Project: e-Voting – Online Voting System**

**Overview:**  
The e-Voting project focuses on creating an online voting system that allows users to create polls, add voters, send invitations, and generate reports. Stripe payment gateway is integrated for subscription management.

**Key Responsibilities:**

* System Analysis & Design: Work with the team to design and develop new modules for the voting system.
* Web Application Development: Use ASP.NET MVC, jQuery, and AngularJS to develop a secure and scalable online voting platform.
* Coding & Code Reviews: Ensure code quality by writing and reviewing efficient and maintainable code.
* Unit Testing: Write unit tests to ensure that the system works reliably across different scenarios.
* Bug Fixing: Troubleshoot and resolve bugs to maintain the stability of the platform.

**Skills & Technologies:**

* Languages: C#, JavaScript
* Frameworks: ASP.NET MVC, AngularJS, Entity Framework, LINQ
* Tools: TFS, Bootstrap, MS-Unit, JSON
* Methodologies: Agile, Unit Testing, Code Reviews

**Organization: Lumina Datamatics Ltd. | Nov 2012 to May 2015 (2 years 7 months)  
Role:** Module Lead

**Client: 1stdibs.com  
Sector: E-commerce  
Project: e-Retail Product Attribute Audit**

**Overview:**  
As a Module Lead at Lumina Datamatics, you will lead the development of an e-retail application designed to audit product attributes on the 1stdibs.com e-commerce platform. The application facilitates the audit process through multiple approval stages (QA approval, Client approval, etc.), ensuring product data integrity before it is uploaded to the client’s workflow using a RESTful web service.

**Key Responsibilities:**

* Client Interaction & Requirement Analysis: Gather requirements from the client’s end-users and ensure that they align with business goals.
* System Analysis & Design: Lead the system analysis and design phases for the development of new modules in the application.
* Web Application Development: Develop the web application using ASP.NET MVC and Microsoft .NET Framework, ensuring functionality, scalability, and security.
* Coding & Code Reviews: Write efficient, maintainable code and perform code reviews to maintain high standards of code quality.
* Bug Fixing: Diagnose and resolve bugs and issues to ensure smooth and uninterrupted operation of the web application.
* Deployment: Oversee the deployment of the web application to IIS, ensuring a successful rollout.

**Skills & Technologies:**

* Languages: C#, JavaScript
* Frameworks: ASP.NET MVC, Entity Framework, LINQ
* Databases: MS SQL
* Tools: Visual Studio, TFS
* Web Technologies: HTML, CSS, jQuery, JSON, AJAX
* Logging: Enterprise Library Logging

**Organization: ITTI Pvt Ltd. | Apr 2011 to Nov 2012 (1 year 8 months)  
Role:** Software Engineer

**Client: Abbott Laboratories (I) Ltd  
Sector: Healthcare  
Project 1: ECMS – Expense Control and Monitoring System**

**Overview:**  
As a Software Engineer at ITTI Pvt Ltd., you will contribute to the development of the Expense Control and Monitoring System (ECMS), a financial application designed for managing Purchase Requisitions, Purchase Orders, Approval Workflows, and Goods Receipts. The system helps in allocating budgets to various healthcare products, improving financial efficiency and transparency.

**Key Responsibilities:**

* Client Interaction & Requirement Analysis: Engage with client end-users to understand their requirements and translate them into functional specifications.
* System Analysis & Design: Lead the analysis, design, and development of new modules for the application.
* Web Application Development: Develop web applications using ASP.NET and Microsoft .NET Framework to meet client needs.
* Coding & Code Reviews: Write high-quality, maintainable code, and participate in code reviews to ensure the software meets the required standards.
* Bug Fixing & Troubleshooting: Identify and fix bugs, improving the application’s performance and usability.
* Deployment: Oversee the deployment of the application on IIS, ensuring smooth and successful integration.

**Skills & Technologies:**

* Languages: C#
* Frameworks: ASP.NET
* Database: MS SQL
* Deployment: IIS

**Client: Abbott Laboratories (I) Ltd  
Project 2: Asset Management System**

**Overview:**  
The Asset Management System is an open systems project designed to manage and track the allocation of IT hardware assets to end-users. As a Software Engineer, you will help streamline asset management processes, ensuring proper tracking and reporting of assets within the organization.

**Key Responsibilities:**

* System Analysis & Design: Collaborate with the team to analyse system requirements and design new functionalities for managing IT assets.
* Modularization & Development: Break the project into manageable modules and implement features using ASP.NET.
* Coding & Code Reviews: Write and review code to maintain high-quality standards and ensure the system functions as intended.
* Deployment: Oversee the deployment process of the web application on IIS for effective system integration.

**Skills & Technologies:**

* Languages: C#
* Frameworks: ASP.NET
* Reporting: Crystal Reports
* Database: MS SQL

**Organization: ANNET Technologies | Aug 2009 to Sep 2010 (1 year 2 months)  
Role:** Jr. Software Programmer

**Client: Online Residential Inc.**

**Sector: Real Estate  
Project 1: OLR Broker Portal**

**Overview:**  
The OLR Broker Portal is a real estate application designed to manage building rentals, apartment rentals, sales, and broker subscriptions. The system helps brokers manage their client relationships, real estate properties, and subscription services.

**Key Responsibilities:**

* System Analysis & Design: Gather and analyse system requirements for building the application and design appropriate solutions.
* Modularization & Development: Break down the project into manageable modules and develop them using ASP.NET.
* Coding & Code Reviews: Write clean, efficient code and conduct code reviews to maintain high standards.
* Deployment: Deploy the application to IIS, ensuring smooth operation.

**Skills & Technologies:**

* Languages: C#
* Frameworks: ASP.NET, WCF
* Database: MS SQL
* Reporting: Crystal Reports
* ORM: Entity Framework

**Client: Opus3 Artists Inc.**

**Project 2: Task Scheduler**

**Overview:**  
The Task Scheduler is a Windows application that executes SQL procedures periodically and generates reports based on the results. This system ensures that tasks are scheduled and executed without manual intervention.

**Key Responsibilities:**

* System Analysis & Design: Analyse the task scheduling system requirements and design an efficient solution.
* Modularization & Development: Develop the application in manageable modules using .NET technologies.
* Coding & Code Reviews: Write and review code to ensure functionality and performance.
* Deployment: Deploy the Windows application and ensure smooth operation.

**Skills & Technologies:**

* Languages: C#
* Frameworks: .NET
* Reporting: Crystal Reports
* Database: MS SQL

**Client: Real Workspaces Inc.**

**Project 3: Real Workspaces Blog**

**Overview:**  
The Real Workspaces Blog is a public-facing website that displays news feeds through an RSS system, managed by an admin interface. The project includes the development of website layouts, design, and backend functionality.

**Key Responsibilities:**

* System Analysis & Design: Analyse the requirements for the blog system and design the user interface and backend functionality.
* Modularization & Development: Develop the project in ASP.NET and modularize the system for better management.
* Coding & Code Reviews: Write code, conduct reviews, and ensure smooth functionality of the blog platform.

**Skills & Technologies:**

* Languages: C#
* Frameworks: ASP.NET
* Database: MS SQL

**Academic Project: Online Store Management**

**Overview:**  
The Online Store Management project is an e-commerce web application designed for managing customer orders, billing, and transactions in an online store.

**Key Responsibilities:**

* System Analysis & Design: Design and analyse system requirements for the e-commerce platform.
* Modularization & Development: Break down the project into modules and develop them using ASP.NET.
* Deployment: Deploy the web application to IIS.

**Skills & Technologies:**

* Languages: ASP.NET, VB.NET
* Database: MS Access

**EDUCATION**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Course** | **Year** | **Name of Institute** | **University** | **Subject** | **Grade** |
| BSc-Computer Science | 2009 | Patkar College, Mumbai | Mumbai University | Computer Science | II (60%) |
| GNIIT – Software Engineering | 2010 | NIIT, Mumbai | NIIT | Software Engineering | **II** |
| XII | 2006 | Vivek Vidyalaya, Mumbai | Mumbai Board | Science | 71% |
| X | 2004 | Samarth Vidyalaya, Mumbai | Mumbai Board | - | 74.93% |

**ACHIEVEMENTS**

* Client Appreciation at Abbott Laboratories for exceptional performance and delivering high-quality solutions.
* Codeproject.com Programming Competition Winner - Received Intel Ultrabook for excellence in programming competition.
* ‘Moment of Fame’ Award from ITTI Pvt Ltd for solving critical bugs in financial systems.

**PERSONAL DETAILS**

* Date of Birth: 03 May 1989
* Marital Status: Married
* Languages: English, Hindi, Marathi (Read, Write and Speak)
* Hobbies: Trekking, Hiking, Photography, Listening Music