**Vinay Chunduri**

 

**Senior Dot Net Lead**

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**Technical Summary**

* 12+ years of result-oriented broad-based technology experience with a background in Software Development, Product Support, and Cloud Environments.
* Innovative management over the entire product life cycle from architecture, analysis, and design to implementation, testing, and support of Web Based, Desktop, Client-Server, and N-tier Architecture in various domains.
* Expertise in Oracle and PostgreSQL environments.
* Extensive experience in developing User Interfaces using Angular, React JS, Vue JS, NodeJS, Microsoft Azure, ASP.NET, AJAX, jQuery, XML, CSS, Typescript, JavaScript, Visual Studio 2022/2019/2017/2015/2013/2012/2010.
* Proficient in Microsoft .Net Technologies (.NET 8, .NET Framework, C#.NET, VB.NET, ADO .NET, ASP.NET, LINQ, LAMDA Exp., XML, Web Services, REST APIs and WCF).
* Highly proficient in creating Business Requirement Documents (BRD), Functional Requirement Documents (FRD) and Technical Detailed Design Documents
* Proficiency in Software Development Life Cycle (SDLC) and AGILE methodologies.
* Experience in developing Azure functions that can compute on demand and work independently.
* Extensively worked in Azure DevOps in maintaining the products and managing the SAS applications for frequent release cycles.
* Knowledge in Database designing and programming skills using, Azure Storage, SQL Server 2019/2016/2014/2012/2008, Windows Azure, Oracle 19c/18c/12c/11g/10g/9i, and MySQL.
* Created services using the Web REST APIs such that they can be consumed by various clients like web, desktop, mobile, etc.
* Experience with .NET MAUI framework for cross-platform app development and good experience in writing code that runs on multiple platforms, such as Android, iOS, macOS, and Windows.
* Used microservice architecture to arrange an application as a collection of loosely coupled services. All the developed REST APIs are being deployed individually such that it would be loosely coupled and lightweight.
* Experience in using Language-Integrated Query (LINQ) to retrieve and modify data.
* Experience in the development and implementation of Windows Communication Foundation (WCF), and Responsible for developing WCF-based Service, Data, Fault, and Message Contracts.
* Hands-on experience in BI tools Power BI, Tableau, SQL Server Reporting Service (SSRS), Telerik Reports, and Crystal Reports and experience in developing integration packages using SQL Server Integration Service (SSIS).
* Extensive working experience in working with Agile (SCRUM), Waterfall, and Test-Driven Development (TDD).
* Worked with Team Foundation Server, GIT, Visual Source Safe, and Subversion control system.
* Rapidly created interactive prototypes and User Interfaces (UI) by using Telerik, Kendo UI Wijmo UI, and Pixi Js.
* Used Angular and React JS to create rich, responsive display and editor user interfaces with a clean underlying data model.
* Worked with WPF, in creating custom controls, data binding, and graphics.
* Used ReactJS Components, Forms, Events, Keys, and Router as part of the project.
* Proficient in creating Stored Procedures, Functions, and Triggers in MS SQL Server.
* Experience in performing different kinds of testing like Unit, Integration, Regression, Stress, and User Acceptance (UAT) of Web and Client/Server Applications.
* Enthusiastic, knowledge-hungry self-starter, eager to meet challenges and quickly assimilate the latest technologies, skills, concepts, and ideas.
* Expertise in system analysis, design, coding, bug fixing, training, and mentoring staff.
* Confident, self-motivated, and a team player. Has excellent work ethic and is team-oriented with strong analytical and leadership qualities. Willing to learn and adapt to new challenges.
* Experienced in working with global teams (offshore / On-Site model)

**Technical Skills**

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| **Cloud Environments** | Microsoft AZURE, AWS |
| **Programming Languages** | C#.Net, VB.Net, .Net Core 3.0/3.1/6/8, .NET Framework 4.8/4.6, TypeScript, NodeJS, Web Services, ASP.NET, ADO.NET, LINQ, SQL, T-SQL, PL/SQL, XML, XAML, C, C++, PHP & JAVA |
| **Web Technologies** | React JS, Angular, Vue JS, HTML, CSS, XML, XSLT, XSD, JavaScript, JQuery, AJAX, DOM, Pixi |
| **IDE and Tools** | Microsoft Visual Studio. Net 2019/2017/2015/2013/2012/2010, Microsoft Visual Code, MS Office, Microsoft Visio, SQL Profiler, SQL Server Agent, Postman, Swagger |
| .**NET Technologies** | C#.NET, ASP.NET, VB.NET, REST APIs, Web Services, .NET Core, .NET Framework 4.6/4.8, Entity Framework, LINQ, WPF, WCF, Win Forms, Web APIs, LINQ, LAMDA Exp., MVC, MVVM  |
| **XML Technologies** | XML, XSLT, XPath, XQuery, Schemas |
| **Mobile Technologies** | MAUI, Xamarin Forms |
| **Testing Frameworks** | Selenium C#, JustMock, Jasmine, Mocha, MSTest, CUIT, Xamarin Test |
| **Databases** | Azure Storage, PostGres SQL, SQL Server 2017/2019/2022, Oracle 12c/18c/19c, MySQL, MS Access, Mongo DB. |
| **Web/Application Servers** | Internet Information Server (IIS) 5.0/6.0/7.0, Tomcat |
| **Reporting Services** | SSRS, SSIS, Power BI, Tableau, Telerik & Crystal |
| **Version Control Tools** | VSS, SVN, TFS, GIT |
| **Scripting Languages** | Python, Pearl, Shell |
| **Container Management** | Docker, Kubernetes |
| **Operating Systems** | Windows Server 2022/2019/2016, Windows 11/10/8, UNIX. |

**Education**

* Bachelor’s in computer science, JNT University India (2006-2010).
* Master’s in information technology, JNT University India (2010-2012).

**Certifications**

* Microsoft Certified: Azure Developer Associate
* Microsoft Certified: Azure Administrator Associate
* Microsoft Certified: Azure Fundamentals

**Achievements**

* Filed patent on automatic work package scheduling and assigned best contractors while building any new projects in real-time.
* Created sample prototypes of Azure Digital Twins, Azure functions, Twin Viewer, and IoT to identify any failures that occur in the real world based on the data that we get from IoT devices.
* Recipient of multiple spot and individual awards for key contribution to product development and handling several customer issues of Hexagon (Formerly Intergraph).

**Professional Experience**



**Hexagon Smart Completions Jan/2021 – Present**

**Sr.Net Lead Developer Location: Dallas, Texas**

**Product Description:** Smart Completions is a SAS application where it is designed to consolidate asset information and verify installation, testing, and performance of all equipment, instruments, piping, and Control System IO points. The flexible foundation provides projects with the tools needed to track all facets to ensure system integrity and deliver a product that meets ISO specifications or higher standards. Smart Completions will help in managing all your projects, large or small, by enabling your organization to effectively plan, prepare, and execute a project.

**Roles & Responsibilities Handled:**

* Working as a .Net Developer providing an overall architecture, design, and development of new features across the product.
* Work with SMEs and business leaders to understand current processes and future objectives.
* Involved in migration-related meetings where we are responsible for providing resolutions to highly complex issues and escalations.
* Migrated several modules from the .Net framework to .Net 8 using C#.Net.
* Introduced a lot of new features like Asset Prevention, Commissioning systemization, and change management into the product based on the feedback that we got from the stockholders and presales team.
* Provided expertise in Oracle and PostgreSQL environments, contributing to seamless integration and optimization of database systems.
* Followed Best Practices and coding Standards for on .Net as well as Database workloads in Oracle PL/SQL, and PostgreSQL.
* Implementing proof of concepts (POCs) on the next requirement that we get from the stakeholders like PO, Sales team, etc.
* Responsible for providing resolutions to highly complex customer issues and escalations.
* Developed responsive and mobile-friendly UIs, improving user experience, and ensuring seamless functionality across various devices using ASP.NET MVC, ensuring timely delivery and meeting client requirements.
* Designed and developed RESTful APIs using ASP.NET WebAPI, enabling seamless communication between front-end and back-end systems.
* Implemented secure authentication and authorization mechanisms using SSO, OIDC, SAML, OAuth, and JWT, ensuring only authorized users can access sensitive data.
* Worked on designing and implementing database models using EF Core conventions and annotations.
* Developed complex LINQ queries to retrieve and manipulate data from relational databases. Optimized queries for performance, leveraging EF Core's query optimization features.
* Involved in the design and implementation of Schema Architecture for smooth data flow.
* Worked on Angular concepts like components, services, etc. to create generic and reusable controls that can be used across the product based on some simple configurations and customizations.
* Migrated several modules from the .Net framework to .Net core using C#.Net.
* As it’s a SaaS application, have hands-on experience on multi-tenant applications which was developed and maintained that can be consumable across the application in different modules which allows it to write less code, have less infrastructure, and are cost-efficient.
* Migrating the existing Xamarin forms to MAUI as support for Xamarin forms is soon going to be ended by Microsoft.
* Created services using the Web REST APIs such that they can be consumed by various clients like web, desktop, mobile, etc.
* Used **SQL server, and Oracle** for writing Stored Procedures, Views, and Triggers. Handling with MONGO DB with ORACLE.
* Worked Azure DevOps where I worked on creating CI/CD pipelines and building artifacts.
* Involved in building new pipelines and troubleshooting existing pipelines based on the team and client requirements.
* Implemented containerization of the existing applications using Docker.
* Experience in Kubernetes to deploy scale, load balance and manage docker containers.
* Worked on UI ATPS(Selenium) and Unit Test (Karma, Mocha validation) Automation to check the functionality break while maintaining the product.
* Have experience in creating VMs, SQL Database creation in Azure backup scheduling, etc.
* Working with teams for QA/UAT/Production teams for deployment planning and operations of the new components/enhanced to production.
* Worked on developing the UI test cases using Selenium C#.
* Developed REST APIs using .Net Core.
* Responsible for implementing all API-related functionalities.
* Handling release activities and branching out using GIT.
* Responsible for Performance testing and benchmarking.
* Handling team Code Reviews.

**Hexagon SDx Construction May/2019 – Dec/2020**

**.Net Developer Location: Hyderabad, India**

**Product Description:** SDx Construction is a web version of the Smart Construction product where we are doing different construction operations like work packaging, material management, work progress management, scheduling of work, detailed information of components in engineering drawings, 3D, and 4D Animation of the construction. It effectively manages 10000 workers working daily on a construction site, which drastically reduces the wastage of time in a construction site.

**Roles & Responsibilities Handled:**

* Working as a .Net Developer and Scrum master of the team
* Provide an overall architecture, design, and development of new features across the product.
* Responsible for providing resolutions to highly complex customer issues and escalations.
* Involved in release-based software delivery approach and worked on Requirement Gathering, Development, and Maintenance.
* Followed Best Practices and coding Standards for Oracle PL/SQL, and PostgreSQL.
* Involved in the design and implementation of Schema Architecture for smooth data flow.
* Worked on Angular for creating generic controls like Grid, Tree list view, and Custom Controls.
* Worked on Angular concepts like routes, forms, pipes, observables, promises, services, dependency injection, etc.
* Worked on creating user forms, and Wizard pages with Busy indicators while loading, and saving the data into the database.
* Worked in Azure DevOps where I worked on creating CI/CD pipelines, building artifacts, and deploying things into containers (Docker).
* Used Kubernetes to orchestrate the deployment, scaling, and management of Docker Containers.
* Migrated several modules from the .Net framework to the .Net core using C#.Net.
* Worked on Pixi and three JS for animating the object in the UI and demonstrated all the features done to the stakeholders and clients.
* Created services using the Web REST APIs such that they can be consumed by various clients like web, desktop, mobile, etc.
* Worked on UI ATPS(Selenium) and Unit Test (Karma, Mocha validation) Automation to check the functionality break while maintaining the product.
* Have experience in creating VMs, SQL Database creation in Azure backup scheduling, etc.
* Designed and developed Serverless architecture and microservices components.
* Working with teams for QA/UAT/Production teams for deployment planning and operations of the new components/enhanced to production.
* Facilitating all team meetings, including the Daily Stand-up, Iteration Planning, Iteration Review, and Iteration Retrospective.
* Developed REST API framework using .Net framework and .Net Core.
* Responsible for implementing all APIs-related functionalities.
* Handling release activities and branching out using GIT.
* Responsible for Performance testing and benchmarking.
* Managing customer escalations.
* Code Reviews.

**Hexagon Smart Construction Nov/2016 – Apr/2019**

**.Net Developer Location: Hyderabad, India**

**Project Description:** Smart Construction is a construction management software that helps plan and manage fabrication and construction projects. Smart Construction delivers the most up-to-date information needed so you can get the most from construction planning software. Smart construction enables better business outcomes, including enhanced sustainability, increased quality, decreased whole-life cost, and improved productivity. Smart construction takes information from various sources, such as 3D models, 2D engineering tools, materials management, project controls, and scheduling systems, which are integrated into construction management software. Achieving the benefits of construction planning software means overcoming critical challenges, including breaking down silos, trust and transparency, and investing in people to make better use of technology.

**Roles & Responsibilities:**

* Working as a .Net Developer and Scrum master of the team involved in the design and development of new features across the product.
* Work with SMEs and business leaders to understand current processes and future objectives.
* Creating existing process flows, business capabilities, and business and technical challenges documents.
* Creating a future state of architecture and roadmaps for business and technology.
* Guiding teams on process approaches and technology implementations.
* Involved in release-based software delivery approach and worked on Requirement Gathering, Development, and Maintenance phase of SDLC of 3-tier architectures (Client, Server & Shared).
* Customization of SPC using SPF Schema Editor SPF. Customization of Orthographic, Isometric Drawings and Reports.
* Involved in the design and implementation of Schema Architecture for smooth data flow.
* Created generic User Controls and Custom Controls and used Dependency Properties to bind data on these controls.
* Created Custom TreelistView Control integrated with RadDataPager control with input Dependency properties to improve performance for huge data.
* Worked on setting of Custom Data Templates on columns for specific behavior of controls.
* Worked on Grid View Cell and Row level default Error Handling of the Telerik controls.
* Expertise working on Routed Events, Converters, Styles, Binding, Triggers, Event Binding, and Layout Panels in XAML.
* Used Telerik controls Rad Tab Control, Rad Date Time Picker, Rad Grid View, etc.,
* Effectively Used Background Worker classes with Events for every server- Database (Retrieve from, save to) operations to improve the performance.
* Worked on Windows, Dialogs, and Wizard pages with Busy indicators while loading, and saving the data into the database.
* Created Custom Filter Control and worked on Column level Filtering and sorting of data.
* Worked on UI ATPS(CUIT) and Unit Test (Server API’s validation) Automation to check the functionality break while maintaining the product.
* Worked on Web Client using Angular to display different modules.
* Facilitating all team meetings, including the Daily Stand-up, Iteration Planning, Iteration Review, and Iteration Retrospective.
* Proficient in designing, implementing, and maintaining relational databases using PostgreSQL.
* Responsible for providing resolutions to highly complex customer issues and escalations.
* Optimizing the environments for cost savings and better performance.
* Code Reviews.

**Hexagon’s Smart Marine 3D Jul/2014 – Oct/2016**

**.Net Developer Location: Hyderabad, India**

**Project Description:** Smart Marine 3D is a proprietary product of Intergraph which is developed for efficient design of Oil plants by which they can ensure 100% accuracy in results. We also develop efficient ways to design marine products like submarines and ships. It is a design tool that ensures customer design before going to real-time production.

**Roles & Responsibilities Handled:**

* Worked as a .Net Developer involved in the design and development of new features.
* Understanding the Requirement Specifications, Functionality, and Scope of the Application.
* Interacting with customers gathering requirements and developing accordingly.
* Work with the Development team globally to implement the functionality and get the features reviewed by stakeholders before moving the functionality into the UAT environment.
* Created modern UI using angular so that some parts of product modules can be accessed from the Web or mobile based on the module access.
* Modifying or removing old legacy VBA code.
* Implemented multi-threading to increase product performance.
* Worked on MS Test, CUIT test framework to cover both UI and Unit test cases.
* Responsible for providing resolutions for customer issues and escalations.



**DIEHL Aero Systems (DIEHL Q – CHECKER) Dec/2013 – Jun/2014**

**.Net Developer Location: Hyderabad, India**

**Project Description:** This project is developed for DIEHL Aero systems to ensure that the newly developed drawing sets meet the PDM standards. It is a quality-checking tool used to ensure the standards are being followed while designing a new design or modifying an existing design. Using this tool, we can achieve more accuracy; no manual work is needed for calculation and time can be utilized more efficiently.

**Roles & Responsibilities Handled:**

* Worked as a .Net Developer involved in the design and development of new features.
* Understanding the Requirement Specifications, Functionality, and Scope of the Application.
* Interacting with customers gathering requirements and developing accordingly.
* Interact with customers to get different test cases.
* Code Reviews.

**Hamilton Sundstrand (Spring Design Tool) Jul/2012 – Nov/2013**

**.Net Developer Location: Hyderabad, India**

**Project Description:** This project is developed for Hamilton Sundstrand customers to develop their products more efficiently and accurately. Before going to manufacturing all the material calculations are done in multiple iterations i.e., in different combinations and the best optimal solution will be carried out for development. Using this tool, we can achieve more accuracy; no manual work is needed for calculation and time can be utilized more efficiently.

**Roles & Responsibilities Handled:**

* Worked as a .Net Developer involved in the design and development of new features.
* Understanding the Requirement Specifications, Functionality and Scope of the Application.
* Interacting with customers gathering requirements and developing accordingly.
* Code Reviews.