PRADEEP PINGILI

FULL STACK .NET DEVELOPER

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**PROFESSIONAL SUMMARY:**

* Having more than 10 years of experience as full stack .NET Developer in all phases of **SDLC**, System and Requirement Analysis, Design, Development and Deployment of Web - based applications to Azure and AWS cloud.
* Extensive programming experience in **C#.NET, ASP.NET, ASP.NET MVC, .NET Framework, .NET Core, ADO.NET, VB.NET, PL/SQL, LINQ, ASP.NET Core Web API, ASP .NET Web Forms, OOPS, VB script, Java script, Angular, React.js, Vue.js, postman, SQL Server, SQL Azure, Microsoft Azure and MSSQL.**
* Good experience with Agile **(SCRUM**) methodology, Waterfall and Test-driven development.
* Strong Microsoft Technologies in the fields of Win-forms, Web-forms, Web Services using ASP.NET, VB.NET, C#, MVC, Entity framework, Angular JS, ADO.NET AJAX, LINQ, WCF, WPF, Silverlight 2.0/3.0 using Microsoft .NET Framework.
* Experience in designing web pages using **HTML**, **CSS**, **JavaScript**, **TypeScript**, and jQuery, Angular JS, AJAX, Bootstrap and JSON, Node JS, UML.
* Proficient in designing and consuming RESTful services with ASP.NET Web API, with a solid understanding of web protocols such as HTTP/HTTPS and data formats like JSON/XML.
* Strong proficiency in Full Stack .NET Development, leveraging Object-Oriented Programming (**OOP**), Client/Server, N-tier architecture, and Web-based technologies across various applications.
* Experience with data distribution and scaling in **AWS** Redshift, RDS, MySQL, MongoDB, DynamoDB, PostgreSQL for high availability.
* Extensively worked on **WCF** and Web Services to provide **SOA** architecture and configuration-based activation applications on SOAP and REST protocols.
* Proficient in utilizing **ORM** frameworks such as ADO.NET, Entity Framework, and Entity Framework Core for efficient database access, data manipulation, and seamless integration with .NET applications, ensuring optimal performance and maintainability.
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* Skilled in database management and development, including Stored Procedures, Triggers, and database objects in SQL Server using **T-SQL** and **PL/SQL.**
* Experience in configuration and version management using Sub Version (SVN), Team Foundation Server (TFS), GIT and defect tracking tools like JIRA, Visual Studio Team Services, Database projects.
* Well-versed in DevOps practices, implementing **CI/CD** pipelines using Azure **DevOps**, Jenkins, and GitHub Actions to enhance deployment strategies and minimize downtime.
* Developed **ASP.NET MVC 4** applications using Entity Framework 4 and Razor View Engine; adept in MVC Architecture.
* Designed and implemented WPF and Windows Forms GUIs, building web applications with HTML5, XML, AJAX, JavaScript, Bootstrap, and CSS.
* Worked with **JWT** Security, SAML, **OAuth2.0** and OpenID Connect to provide authentication and authorization.
* Implemented WEB API Services for **CRUD** operations with HTTP verbs GET POST, PUT and DELETE, handled the exceptions in Web API and customized the Exceptions using Exception Filters and registered them at the Action Level.
* Knowledge in building Node.JS framework to handle URL routing.
* Hands-on experience with Reporting Tools in writing and tuning with better design and much information in different layouts using **SQL** Server Reporting Services (**SSRS**).
* Experience in using testing Tools **JUnit**, **Selenium**, **Cucumber/Gherkin**.
* Good Written, Analytical and Verbal Communication skills with a customer service-oriented attitude and worked effectively with the offshore team as onsite facilitator to provide updates on the daily basis.

**Technical Skills:**

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| --- | --- |
| Methodologies | Agile, Scrum, Waterfall. |
| Languages | C#, .NET, PL/ SQL. |
| .NET Technologies | C#, ASP.NET, MVC, ASP.NET Core, ADO.NET, .NET Core, WCF, WPF, ASP.NET MVC 5, Razor View Engine, VB.NET, SOAP, SOA, LINQ, Web Services, WEB API, ASP.NET Web API Core |
| Web Technologies | HTML5, CSS3, XML, XSLT, XSD Bootstrap, JavaScript, jQuery, AJAX, Vue.JS, React JS, Redux, Flux, Angular 14, Typescript, Kafka Angular Material, Angular CLI, SharePoint. |
| Databases | SQL Server, Oracle, MS Access |
| ORM | Entity Framework Core, Entity Framework Code First/ Data First, LINQ to SQL, NHibernate |
| Version Control | VSS, Sub Version, TFS, SVN, Azure DevOps |
| IDE & Other |  Visual Studio, SQL Server Management Studio, Expression Blend, IIS, Fiddler, MSOffice. |
| N-Tier Architectures | MVC (Model View Controller), MVVM (Model View, View Model) |
| Design Patterns | Repository, Dependency Injection, Singleton, Factory. |
| Cloud Technologies | Amazon Web Services (AWS), MS Azure |
| AWS | AWS, EC2, R53, S3, RDS, Dynamo DB, SQS, IAM, EMR, EBS, ELB, Cloud Watch |
| MS Azure | MS Azure, Service Bus, Azure SQL, Redis, Message Queue, Azure Portal, Azure Virtual Networks (VNETs), Storage Containers, Load balancers, Active Directory |
| Testing | X Unit, N Unit, MS Unit, Swagger, Postman |

**EDUCATION:**

* Bachelors in Computer Science from Jayamukhi Institute of Technological Sciences, India

**PROFESSIONAL EXPERIENCE:**

 **TIAA,** CHARLOTTE**, NC**

 Full Stack .Net Developer Dec 2022 – Till Date

 **ROLES&RESPONSIBILITIES:**

* Involved in the entire software development lifecycle, encompassing requirements gathering, problem analysis, design, development, testing, deployment, and ongoing system maintenance.
* Utilize a diverse array of front-end technologies such as **HTML5**, **CSS3**, **JavaScript**, **Angular 14.0**, Bootstrap, jQuery, and Knockout.js to deliver dynamic user experiences.
* Drive backend development using **C#.NET**, leveraging object-oriented principles including classes, interfaces, inheritance, polymorphism, and multi-threading.
* Develop and maintain a robust **Web API** to facilitate seamless communication between front-end and back-end systems, enabling efficient data retrieval and updates.
* Implement dependency injection (**DI**) with Services and Factories in both Angular and **ASP.NET** Core environments.
* Employ **Entity Framework Core 6.2** (EF Core) for streamlined data access within **.NET Core API** applications.
* Design and implement web applications utilizing **ASP.NET MVC 5.0** and C#, tailored to meet the needs of internal users.
* Engineer custom Angular 13 components and integrate them with various Angular libraries to meet application specifications.
* Implement authentication and authorization mechanisms to enforce .NET security standards.
* Successfully migrate applications from **Angular 13** to **Angular 14**, ensuring seamless functionality and performance.
* Utilize **Azure App** Configuration and Key Vault services to securely manage application secrets and configurations.
* Harness Azure Functions HTTP Trigger for efficient email communication and **Azure Service Bus** for messaging purposes.
* Leverage **Kendo** grid features like Batch Edit, Inline Edit, Column Menu, and Hierarch for enhanced data presentation and manipulation.
* Implement retry circuit breaker mechanisms to detect and mitigate recurrent failures, ensuring system stability and resilience.
* Manage **XML** and **JSON** serialization and deserialization processes efficiently.
* Develop extension methods, generic classes, and object-oriented design patterns to build reusable libraries and components.
* Implemented **Azure DevOps** Services for project management tasks, source code repository, continuous integration and deployment.
* Utilize Auto Mapper to facilitate effective mapping between models.
* Integrate Microsoft Application Insights to monitor and log user information within Microsoft Azure.
* Employ Fluent Validations for creating and enforcing custom validation rules across the application.
* Develop and configure **SQL Server** Integration Services (**SSIS**) packages and troubleshoot **Azure Data Factory**-related issues as needed.
* Create and optimize stored procedures for efficient data retrieval and report generation using SQL Reporting Services (**SSRS**).
* Designing and implementing infrastructure as code and **CI/CD** pipeline for deployments of large-scale web applications.
* Deploy services to App Service plans and manage **IIS** deployment for on-premises applications.
* Utilize **TFS** for source code management, implementing effective branching and merging strategies to maintain a structured development workflow.
* Implement front-end testing frameworks like **Jasmine** and **Karma**, ensuring robust testing coverage.
* Develop integration test cases using **X Unit** and Fluent Assertions to ensure application reliability and stability.
* Environment: .NET 6.0, C#, ASP.NET, .NET Framework 4.5, Web API 2, Knockout JS, Ajax, Angular 14.0, Microsoft Azure, Microservices architecture, MVC 5.2, SQL Server 2019, Entity Framework 6.2, Karma, Jasmine, Visual Studio 2022, TFS, Kendo UI, JavaScript, Kendo, X Unit, Agile.

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**STATE OF WI, MADISON, WI**

**FULL STACK .NET DEVELOPER FEB 2021 – DEC 2022**

**ROLES&RESPONSIBILITIES:**

* Collaborated in a team to design and develop a 3-tier web application using **ASP.NET** in an AGILE-SCRUM environment.
* Designed web applications with **ASP.NET MVC 4.0** and Angular, following the Model-View Controller pattern.
* Responsible for **UI** design with JavaScript, Bootstrap, **HTML5**, and **CSS3** to enhance the user experience.
* Utilized modern JavaScript frameworks and libraries such as AngularJS for creating Single-Page Applications (**SPA**) using concepts like Dependency Injection, two-way binding, Promises, Services, Scope, Controllers and Directives.
* Implemented routing and navigation in Angular applications for smooth transitions between different sections of the website.
* **Developed and deployed cloud-scalable .NET applications on Microsoft Azure leveraging services like Azure App Service and Azure Functions.**
* Implemented the web pages using master pages and integrated controls like Data Grid and Data List with ASP.NET.
* Developed ASP.NET Core **Web API** based on business requirements and specifications.
* **Utilized Git & GitLab repositories for version control.**
* Implemented REST APIs with Azure service fabric stateless Microservices using ASP.NET Core 3.1.
* Created data-driven web pages using ASP.NET and C#.
* Incorporated **AJAX** for responsive partial page post-backs.
* Created Object Models, Controllers and used using **Kendo UI** or **Razor for UI**.
* Managed ASP.NET features, including Exception Handling and Custom Error Messages.
* Worked on the creation, transmission, and consumption of **WCF** and Web Services .
* Utilized **ASP. NET** Validation controls and custom JavaScript to ensure data validation on the client-side .
* Developed the data layer with ADO.NET and enhanced database functionality by creating stored procedures and triggers using DDL and DML.
* Created Stored Procedures PL/SQL statements functions to manipulate the databases.
* Worked with **SSIS** Package and **SISS** Import/Export for data transfer between databases.
* Leveraged ASP.NET Caching for static data and session objects to store data state.
* Proficiently managed version control for software development projects using **Git**, ensuring code stability, collaboration, and efficient tracking of changes.

**Environment:** Visual Studio, ASP.NET, C#, Web Forms, ADO.NET, .Net Core 3.1, Agile Model, MVC Architecture, Web Services, Visual Source Safe, SOAP, Azure cloud, Kendo UI, JavaScript, HTML, XML, CSS, PL/SQL.

## Credit Suisse - Raleigh, NC

##  SR .Net Developer Sep 2019 – Jan 2021

##  ROLES&RESPONSIBILITIES:

* Creating Database Structures and Documentation of the Design for Requirements.
* Developed this application using 3-Tier architecture with presentation layer (**ASP.NET**), business logic layer (**C#.NET**) and data access layer (**ADO.NET**, **SQL Server**).
* Using **WPF** created some browser Hosted Applications for the client.
* Effectively used **jQuery** a concise **JavaScript** and **Angular JS** Library for traversing **HTML5** document, event handling and bootstrap interactions.
* Extensively Consumed & Debugging Security implemented by using **WCF SOAP** service, **EDMX**, **LINQ** and **Lambda** expressions for data.
* Worked on AWS services like **lambda**, **S3** and **EC2**, experienced in developing the API using Lambda function.
* Used Team Foundation Server **TFS** to manage files, directories and make changes to the server.
* Creating Data Access Classes to interact with Database.
* Extensively used Datasets, Data Tables and Data Views of **ADO.NET** to retrieve and manipulate data and display in **ASP.NET** front end interface.
* Managing **APIs** with Visual Studio Online (VSO**)** to manipulate Tickets using PowerShell to save time and resources.
* Continually shield the Agile Teams from external interferences and distractions, keeping them focused.
* Consolidate scripts into a single tool with a **GUI** for ease of access using PowerShell and **C#**.
* Created and deployed **XML** Web Services using **ASP.NET MVC** and **C#**, used them to generate the proxy class files based on the web services and consumed in web application.
* Worked on the entity framework, **WCF** services, enterprise library framework and configured and deployed applications to **IIS** and Rest based **WCF** services. Designed the microservice application layer and **Web API**.
* Developed application using ASP.NET WinForms for server process.
* Used **Express** **Js, Nodejs** for backend functionality and for middle ware database used Mongo DB.
* Knowledge of **NodeJS** and frameworks available like Express. Extensively used GULP for all bundling and build needs of the application.
* Experience with Android Framework APIssuch as Google Maps, Camera, Resource Manager, Fragments, Location Manager, Notification Manager, Content Providers, Contact Manager, Telephony API and REST APIs.
* Worked on deploying single page application by using **Angular JS** directives, controllers, modules and 2-way data binding forms.
* This application was built mainly with **Kendo UI** to customize screens and integrated Kendo framework controls to support **HTML5** controls.
* Good knowledge on creating services with **Angular 8** @injectable property, as to make the service available for dependency injection when creating components.
* Creating User interface(**UI**) screens and developing the logic for depositing and withdrawing.
* Used Eclipse Juno version to write automation scripts using **Java** as language, check in the new, updated automation scripts into **SVN** repository, creating test suite, validating the test results from the Test Results output folder.
* Developed **PL/SQL** packages and database triggers and Improved performance of the extract -loads and existing applications for huge volumes of data by optimizing the queries, indexing, and redesigning some of the scripts.
* Developed a suite of applications including Windows service is and a WinForms test harness - allowing member purchasing via biometric reads using Visual Studio 2008 (C#, .NET 3.5, LINQ), SQL Server**,** Castle Windsor, Microsoft Application Blocks.
* Used Cascading Style Sheets (**CSS**) for a unified look and feel of the application.
* Writing stored procedures and **SQL** queries to fetch the data using **SQL Server.**

**Environment:** Visual Studio, ASP.NET 3.5, C# .NET 3.5, AWS, AWS Lambda, EC2, CSS3, jQuery, WPF, Angular 8, PL/SQL, SQL Server, Team Foundation Server, Query String, ADO .NET, C#, Automation Testing, MVC, PowerShell, Agile scrum, NodeJS, ASP.NET 3.5.

**DOVER CORPORATION, DOWNERS GROVE, IL**

**SR .NET DEVELOPER JAN 2017 – AUG 2019**

**ROLES&RESPONSIBILITIES:**

* Involved in building web applications with **React,** **JavaScript**, **jQuery**, **HTML**, and **CSS**.
* Worked with **React** components, state management, caching features, configuring optimizations, and securing the web application.
* Developed **GAC** explorer module using **C# WinForms**.
* Extensive use of **RESTful services**, JSON, and XML to expose reports and facilitate information sharing.
* Utilized AWS Identity and Access Management (**IAM**) for implementing secure authentication and authorization mechanisms, ensuring a robust and reliable access control system for **React** applications.
* Implemented **Amazon CloudWatch** to monitor and track the performance and usage of web applications, enabling proactive identification of issues and efficient troubleshooting within the AWS environment.
* Used custom React components and hooks to design the user interfaces (UI).
* Extensively used Axios and Fetch **API** to populate data and manage state in React applications.
* Created and consumed **RESTful services** to communicate between the web application and backend services.
* Utilized AWS storage services such as **Amazon S3** and **Amazon DynamoDB** for efficient data storage and management, ensuring scalability and durability for web application data in the AWS cloud.
* Responsible for maintaining versions of source code using **AWS CodeCommit** and **Git.**
* Used **Amazon EC2** to manage and deploy multiple websites and web applications.
* Developed **SQL** queries to fetch complex data from different tables in remote databases using inner/outer joins, sub-queries, accommodating complex filters and database links.
* Implemented unit testing, integration testing, and system testing using Jest and Enzyme.
* Created drill down, drill through, sub, and linked reports using Amazon Quick Sight and managed the subscription of the reports.
* Prepared the defect and status reports weekly by analyzing, reviewing, and tracking the bugs.

Environment: React, Visual Studio Code, ADO.NET, C#, .NET Framework, RESTful Services, JSON, XML, SQL Server, Jest, Enzyme, jQuery, Amazon S3, Amazon DynamoDB, Amazon EC2, Amazon CloudWatch, AWS IAM, Amazon Quick Sight, AWS CodeCommit, Git.

**SOFTWARE DEVELOPER MAY 2014 – Oct 2016**

**Hexaware Technologies, India**

**ROLES&RESPONSIBILITIES:**

* Involved in understanding and analyzing the client’s business requirements for the system.
* Designed and developed various abstract classes, classes to construct the business logic in Model using **C#.**
* Developed presentation-tier**ASP.NET** pages in **HTML** using DataGrid control, Validation control and other Web Server controls.
* Written configuration settings in **Web. config** Used **ADO.NET** to access **SQL** database.
* Written **SQL Queries, Stored Procedures, Triggers, Backup and Restore Database, Defining Roles, creating database** users, Assigning Roles to user’s using **SQL** Server 2005.
* Involved in preparation of cascade style sheet (**CSS**) files.
* Maintained source code versioning using **Team Foundation Server**.
* Have successfully published various .NET interfaces screens on to the IIS server

**ENVIRONMENT**: C#.Net, ADO.NET, ASP.Net 2.0, C#, JavaScript, SQL Server 2005, HTML, CSS, Win Forms, TFS.