**Kapil Sri Sai Pushadapu**

 **Full Stack .Net Developer**

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**PROFESSIONAL SUMMARY:**

* Around **9 years** of programming experience in analyzing, designing, and developing **Web** & **Windows (Client/Server)** based and **N-Tier Applications** using **C#**, **ASP.NET**, **ASP.NET MVC**, **ADO.NET**, **Entity Framework**, **WCF**, **AJAX**, **Web Services**, **CSS**, **Windows Applications**, **Web Forms**, **AngularJS**, **jQuery**, **JavaScript**, **MS SQL Server**, **T-SQL**, **SSIS**, and **SSRS**.
* Expertise in developing various applications using **.NET Technologies** like **C#**, **ASP.NET**, **VB.NET**, **ASP.NET MVC**, **ADO.NET**, **Entity Framework**, **WCF**, **WPF**, **ORM**, **IIS**, **XSD**, **XML**, **SPA**, **Windows Forms**, and **REST Web Services**.
* Expertise in **SQL Server 2019** standalone and cluster environments. Skilled in **Database Analysis and Design**, **Stored Procedures**, **Triggers**, **Transactions**, **Dynamic Queries**, **User-defined Functions**, **Views**, and **SQL Server Reporting Services (SSRS)**.
* Extensive use of view rendering JavaScript frameworks such as **jQuery**, **ReactJS**, and **EmberJS**.
* Strong experience with JavaScript testing tools like **Karma**, **Jasmine**, and **Protractor** (for Angular), and **Mocha** and **Chai** (for ReactJS).
* Proficient in **AngularJS**, **Bootstrap 4**, and **HTML5** for client-side validation and UI enhancement.
* Good experience in **ReactJS** for interactive UI development using **Virtual DOM**, **JSX**, and **React Native** concepts.
* Extensive experience in building web apps with **Kendo UI**, **jQuery**, and **Angular (v14–18)**.
* Hands-on experience with **AWS** services including **EC2**, **S3**, **Glacier**, **ELB**, **Redshift**, **CloudFront**, **Harness**, **Splunk**, and **Security Groups**. Used **Puppet**, **Chef**, and **Terraform** for automation and configuration management.
* Used **Terraform** to write Infrastructure as Code and created scripts for **EC2 instances**, **Elastic Load Balancers**, and **S3 buckets**.
* Experience in building **Data Access Layer (DAL)**, **Business Logic Layer (BLL)**, and **Presentation Layer (UI)** using **C#** and **HTML**.
* Implemented **Azure App Service** to deploy and host web applications, APIs, and mobile backends with automatic scaling and managed infrastructure.
* Utilized **Azure Functions** for serverless computing, enabling event-driven architecture without server management.
* Used **SignalR** to add real-time web functionality to **Kendo UI** grids.
* Experience in designing and implementing **AWS solutions** using **EC2**, **S3**, **EBS**, **ELB**, **VPC**, and **CloudFormation**.
* Created and maintained **web content** and **email templates** related to AWS.
* Performed automation engineering tasks and implemented the **ELK stack** (**Elasticsearch**, **Fluentd**, **Kibana**) for AWS EC2 hosts.
* Built a core engine communicating with **AWS S3** to store and retrieve encrypted files via a **REST API** interface.
* Strong experience using **MVC** and **Web API** for developing **SOA** and **REST-based** services with **.NET Technologies**.
* Experience with **ASP.NET Web Forms**, **User Controls**, **Master Pages**, **DataGrids**, and **AJAX Extensions**.

**TECHNICAL SKILLS:**

* **Programming Languages:** C#, .NET Core, .NET Framework (1.x – 6.0), VB.NET (10.0/9.0/8.0), VB6, C, C++, Python, MAUI, T-SQL, PL/SQL, ASP.NET
* **Web Technologies:**HTML, DHTML, CSS, CSS3, XML, XSLT, XSD, WSDL, XAML, SOAP, Web Forms, ASP.NET MVC, PowerShell, Postman, SOAP UI, Fiddler, ReSharper
* **Microsoft Technologies:** ASP.NET MVC, ADO.NET, AJAX, Classic ASP, SignalR, WPF, Silverlight
* **Distributed Technologies:** .NET Remoting, WCF, Web Services (SOAP, REST), LINQ
* **Scripting Languages:**JavaScript, jQuery, Knockout.js, Node.js, VBScript
* **Data Bases:**SQL SERVER 2019/2016/2014/2012/2008/2005/2000, Oracle11g/10g/9i/8i, MS Access, MS Excel, MY SQL, Cosmos DB
* **Framework:**.NET Framework (1.x–4.6), .NET 5.0, .NET 6.0, Angular (2012–18), AngularJS, React, ReactJS
* **Operating Systems:** Windows (95, 98, NT, 2000, 2003, 2008, 2010, Vista), macOS (OSX), Unix
* **IDE Tools:** Visual Studio(2003-22), Code Plax
* **Cloud Platforms:** Microsoft Azure, AWS
* **Reporting Tools:** SQL Server Reporting Services (SSRS), Crystal Reports (v9.0)
* **Version Control:** Git, Team Foundation Server (TFS), Subversion (SVN), Visual SourceSafe
* **Testing:** Unit Testing, Manual Testing, Integration Testing, Regression Testing

**PROFESSIONAL EXPERIENCE:**

**CBRE - Dallas, Texas Jan 2024 - Present**

**Full Stack .Net Developer**

**Responsibilities:**

* Developed new user interface components for different modules using **Kendo UI** with various controls including **Grid controls**, and **Chart controls** etc.
* Worked with advanced concepts of **ASP.NET Core MVC** such as **Models**, **Providers**, and **Filters** used for developing backend technology.
* Designed and developed **RESTful APIs** for mobile app in **.NET Core** which are authenticated with **JWT token**.
* Developed and integrated **SSRS reports** into **.NET Web application** Pages and supported and developed the **SSIS Packages**.
* Developed and managed databases using **Azure SQL Database**, **Azure Cosmos DB**, or other **Azure database services**, ensuring data availability, scalability, and security.
* Implemented **Azure Storage** for storing and managing **unstructured data**, such as **files**, **blobs**, or **queues**, in a secure and scalable manner.
* Implemented **Microsoft Threading** and **Tasks** modules to generate **asynchronous requests** to get **Carrier** and **Shipment** data.
* Developed **Stored Procedures** in **SQL Server** to identify the frequently purchased products and retrieve each product **NFMC code** for providing better quotes.
* Developed the backend project for confidential using **SSIS 2008** and entered by the business and users and configured several **SSIS packages** to reflect the applications.
* Utilized **SQL Joins** and **Sub-queries** to simplify complex queries involving multiple tables while optimizing **Stored Procedures**.
* Extensive use of **Kendo UI framework** was made — including widgets like **Kendo Grid**, **Kendo Autocomplete**, **Kendo Window**, etc., including the use of **Kendo core framework features**.
* Utilized **C#** and applied **Object-Oriented Programming (OOP)** concepts to design the application using **ASP.NET Web Form**, **TypeScript**, **MVC**, **WebAPI** etc.
* Developing **Web APIs** in **.NET Core 2.1** platform and consuming in web-based applications, consuming **3rd party APIs** to interact with check scanning & depositing process.
* Involved in **User Interface design** and **business layer implementation** using **C#**, **jQuery**, **NodeJS**, **TypeScript**, **Angular**, and **WebAPI**.
* Involved in creating **SQL Server** database to responsively handle **.NET data access components** and created the **dynamic schema** by using **NoSQL**.
* Worked on the **REST/WebAPI** to create the services and tested on **MAUI**, **Fiddler** and used **Angular** to create the views.
* Written several **packages using SSIS 2008** for **data migration** and **ETL Process**.

**Environment:** ASP.NET MVC 5.2, C# .NET,AWS , Angular, HTML5, CSS3, ASP.NET web API, PL/SQL, SSIS,Visual Studio 2019/, Visual Studio 2022 TypeScript, Oracle, T-SQL, jQuery, NodeJS, web services, WCF, LINQ, AJAX, XML, SQL 2012, REST/WebAPI,Harness, Fiddler.

**AgFirst - Columbia, SC July 2021 - Dec 2023**

**.Net Developer**

**Responsibilities:**

* Developed **Blob Trigger Azure Functions** using **C#** that get triggered by the addition of a new document in the **Blob container**.
* Implemented **Apache Kafka** as a **publish-subscribe messaging system** that receives events containing payloads produced by the **Azure Functions**.
* Implemented **Azure Functions** as **Kafka Consumers** that get triggered and executed when a new message is added to the **Kafka topics queue**.
* Involved in creating **Azure Storage Account** and configuring **Blob Containers**, **Tables**, and **Queue Storages**.
* Migrated **HPOO** to **Terraform** by breaking down **HPOO flows** and tracking which ones can be provisioned using Terraform.
* Developed **Web API Controllers** using **ASP.NET Core** to post application payloads to **Automated Data Processing Services**.
* Developed and maintained enterprise-grade web applications using **ASP.NET MVC/Core**, **C#**, and **Entity Framework**.
* Built robust **RESTful APIs** and integrated **third-party services** to support scalable backend services.
* Created custom **components** and **libraries** in **.NET Core** to streamline code reuse and enable modular architecture.
* Optimized **application performance** by implementing **asynchronous programming**, **caching strategies**, and efficient **database queries**.
* Built **Terragrunt project** to manage **Terraform configuration files (DRY)** while working with multiple Terraform modules, and used **Terraform Templates** to automate the **Azure IaaS Virtual Machines** deployment, including **Virtual Machine Scale Sets** in the production environment.
* Developed **Model classes** and added **Data Annotations** to validate **Applicant Contracts** and generate **Entity Classes**.
* Wrote several **transformations**, **sorting**, **PIVOTS**, **Script Tasks**, **SQL**, **SQL Commands**, and **SQL Tasks** using **SSIS 2008**.
* Developed **Helper Classes** to convert **Blob image payloads** to **Base64-encoded strings** for HTTP transfer.
* Implemented **Dependency Injection (IOC)** in **ASP.NET Core** to provide required services to the controller classes.
* Implemented **Angular Router** to enable navigation between views as customers perform application tasks.
* Implemented **Angular Services** and consumed **REST services** using **HTTP Client modules**, and injected these services using **Angular Dependency Injection**.

**Environment:** Asp.Net Core 6.0, Asp.Net Core 3.0, Azure Functions, Azure Blob Storage, Angular 12, Typescript, Apache Kafka, Datadog, AWS, JavaScript, SSIS, HTML, Harness, CSS Json, XML, Visual Studio, Splunk, Terraform, Visual Studio Code, SQL Server Management Studio.

**Cigna - Bloomfield, Connecticut April 2019 - June 2021**

**.Net Developer**

**Responsibilities:**

* Developed **Views** and **Web Forms** using **Master Pages**, **Layouts**, **HTML Helper**, and **jQuery** with engine using **MVC3** model.
* Implemented technical use cases by designing and developing the appropriate web pages in **ASP.NET** using **C# code-behind**.
* Implemented **MVC design pattern** for developing the **Web Application** and used **MVC5 application** with **Razor syntax** for the view engine, also used **C#** for the back end.
* Designed, developed, and implemented services using **SOAP/REST**, creating **REST services** using **ASP.NET Web API**.
* Worked with modules like **MongoDB** and **Mongoose** for database persistence using **Node.js** to interact with **MongoDB**.
* Integrated front-end frameworks such as **Angular**/**React** with **.NET Core APIs** to deliver responsive and dynamic UIs.
* Collaborated with **UI/UX teams** to build accessible and user-friendly interfaces using **HTML5**, **CSS3**, **JavaScript**, and **Bootstrap**.
* Hands-on experience using **SonarQube**, **Splunk**, **Istio**, and **Linkerd (Service Mesh)**.
* Written templates for **AWS infrastructure as code** using **Terraform** to build staging and production environments and defined **Terraform modules** such as **Compute**, **Network**, **Operations**.
* Designed and maintained complex **SQL Server databases**, including **Stored Procedures**, **Triggers**, and **Views**.
* Extensively used **ADO.NET** objects such as **Data Adapter**, **Data Reader**, **Dataset**, and **DataView** for reading/updating records in the database.
* Involved in writing complex **SQL Statements**, **Views**, and **Stored Procedures**, **Indexes** to validate data and ensure system integrity and security. Written **LINQ functions** for data access.
* Worked in **Agile/Scrum teams**, participated in **Sprint Planning**, and delivered features in short iterative cycles.
* Collaborated cross-functionally with **QA Engineers**, **Designers**, and **Project Managers** to meet tight deadlines and client expectations.
* Led migration of legacy **ASP.NET Web Forms** application to **ASP.NET Core**, improving maintainability and performance.
* Improved application uptime by implementing robust **Exception Handling** and **Logging Mechanisms** using **Serilog** and **ELK Stack**.
* Worked on **Message Queue Tasks** for bypassing and receiving messages, specifying and handling time-outs, and overwriting messages.
* Automated **Build and Deployment processes** using **Azure DevOps**, **Git**, and **CI/CD pipelines** for smooth delivery cycles.
* Deployed **.NET applications** to **Azure App Services**, configured monitoring with **Application Insights**, and scaled resources as needed.
* Wrote **Unit Tests** and **Integration Tests** using **xUnit**, **NUnit**, and **Moq** to ensure code reliability and maintainability.
* Familiar with updating, accessing, and version controlling the code using **Team Foundation Server (TFS)**, **Subversion**, and **GitHub**.
* Actively participated in **Scrum meetings** for the project implemented using **Agile Project Management** methodology.

**Environment:** ASP.NET, ADO.NET, SQL, Mongo DB, Node.js, LINQ, Terraform, TSQL, XML Web Services, JSON, React JS, HTML5, jQuery UI and D3.JS, MVC, Bootstrap, AWS, Splunk, HTML5, React JS and CSS3.

**Innova Solutions - Hyderabad, India May 2016 - Dec 2018**

**Software developer**

**Responsibilities:**

* Developed **web applications** with user-specific requirements, creating out-of-the-box **workflows** and the **SharePoint** enhancements were implemented using **C#**.
* Extensive development using **ASP.NET**, **Master Pages**, **Themes**, **Web Parts**, **Provider Model**, **JavaScript**. Also involved in proof-of-concept using **ASP.NET Model-View-Controller (MVC)** pattern.
* Used **jQuery**, **ASP.NET**, **AJAX Toolkit controls**, and **CSS** to enhance performance and richness of the user interface.
* Involved in **logical and physical database implementation**, creating **tables** and **stored procedures** using **SQL Server**.
* Leveraged **GraphQL’s** batched queries and **caching mechanisms** to optimize data fetching and minimize network round trips.
* Designed, developed, and deployed scalable **software applications** using modern programming languages such as **C#**, **Java**, **Python**, or **JavaScript**.
* Collaborated with **cross-functional teams** to define software requirements and translate business needs into technical solutions.
* Applied **Object-Oriented Programming (OOP)** and **design patterns** to write clean, maintainable, and reusable code.
* Delivered **end-to-end features**, from **UI design** to **backend development** and **database integration**.
* Built **responsive web applications** using **HTML5**, **CSS3**, **JavaScript**, and front-end frameworks like **React**, **Angular**, or **Vue.js**.
* Developed and maintained **RESTful APIs** and **microservices architectures** using technologies like **.NET Core**, **Spring Boot**, or **Node.js**.
* Designed **relational databases** with **SQL Server**, **PostgreSQL**, or **MySQL** and implemented efficient **queries**, **views**, and **stored procedures**.
* Worked with **NoSQL databases** like **MongoDB** or **Redis** for high-performance and scalable data solutions.
* Implemented **CI/CD pipelines** using tools like **Jenkins**, **GitHub Actions**, or **Azure DevOps**, improving release frequency and code quality.
* Deployed applications to **cloud platforms** such as **AWS**, **Azure**, or **Google Cloud**, ensuring high availability and scalability.
* Implemented **GraphQL middleware** and **authentication/authorization** mechanisms to secure **GraphQL APIs** and control access to data.
* Developed **GraphQL API-based internal tools** to enhance quality and performance of existing code base, and deployed in **Cloud Foundry**, **AWS S3**, and **Kubernetes**.
* Utilized **React Hooks** to manage state and side effects in **functional components**, replacing class components and enhancing code organization.
* Developed and optimized **React applications** by utilizing techniques such as **memoization**, **lazy loading**, and **code splitting**.
* Leveraged **React Context API** for managing **global state** and sharing data between components without **prop drilling**.

**Environment:** C#, ASP.NET, VB.NET, WCF, SQL Server, ASP.NET Web Server Controls, Test Driven Development (TDD), Service Oriented Architecture (SOA), GraphQL, ElasticSearch, WebAPI, JQuery, Ajax, Master Pages, Themes, Web Parts, JavaScript, Software Development Life Cycle (SDLC), HTML, React, ADO.NET, Docker, AWS, SOAP.

**Education:**

Bachelor’s degree in computer science and engineering **July 2012 – May 2016**

 **Lakireddy Bali Reddy College of Engineering**