**Venkata N Kode**

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| **Skills Set:** |  | **Executive Summary:**  |
| **Role** |  | * **Having 7+ years** of experience in software development, encompassing a broad range of areas related to software development that includes error handling, design refinement, programming, reviewing and bug fixing.
* Involved in all the stages of Software Development Life Cycle including Requirements, Analysis and Design, implementation, integration and testing, deployment and maintenance in agile environment.
* Experience in development of **n-tier/multi-tier applications.**
* Strong experience in Microsoft developing tools such as **Visual Studio 2019/2017/2015,** and **SQL Server Management Studio 2019/2017/2016.**
* Strong Knowledge of Object-Oriented Programming Concepts **(OOPS)** andObject-Oriented design principles **(SOLID)**
* Hands on experience with Microsoft technologies including **ASP.NET Core2.0, Web Api 2.0, Micro Services, MVC 6.0, Entity Framework Core, LINQ, C # (5.0/6.0/7.0), ADO.NET, Azure Cloud.**
* Experience in working with **Web Services** and **WCF.**
* Experience in implementing structured logging frame works such as **NLog** and **Serilog** to log the events in Asp.Net core applications.
* Experience in providing web security using **authentication** and **authorization** mechanisms for Asp.Net applications.
* Implemented **Test driven development** and performedUnit Testing using **NUnit, XUnit.**
* Experience working with UI technologies such as **HTML5, CSS3, JavaScript, jQuery, Angular6.0/2.0, Typescript, ReactJS**
* Experienced in creating **stored procedures, triggers** and writing complex queries such as **joins.**
* Exposure to **windows Azure Environment** and **Microsoft CRM**
* Good working knowledge on **Team Foundation Server (TFS), Git.**
* Experience in using **CI/CD** tolls such as **Azure DevOps, Jenkins**
* Experience in working with **Agile/Scrum** development environment.
* Valuable team player with Excellent Communication skills, Trouble shooting skills with ability to learn and adapt to new technologies quickly
* Hardworking, interested in learning new technologies with good communication skills and adept at working in both team environments as well as individually.

**Education:*** **Bachelor’s in computer science in JNTU, India (2008-2012)**
* **Master’s in computer science in NYIT, New York (2013-2014)**
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| * Full-stack Engineer
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| **Domains** |
| * E-Commerce
* Transportation/Trucking/Rails
* Healthcare
* Shipping/Courier services
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| **Microsoft Technologies** |
| * .Net Framework 5.0/4.5/3.0
* ASP.NET Core/4.0/3.5/3.0
* ASP.NET MVC 6/5/4
* ADO.NET 3.5/3.0, LINQ
* Micro Services, Web API 2.0
* Entity Framework Core/6.0/5.0
* Azure Logic Apps, APIM
* Azure Cloud Storage
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| **Languages** |
| * C#, VB.NET
* T-SQL, PL/SQL
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| **Web Technologies** |
| * HTML5,CSS3,JavaScript,jQuery, Angular 6.0/2.0/Js, ReactJS, Typescript
* IIS (7.0/6.0/5.0)
* Swagger UI, RESTful API’s, AJAX, JSON
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| **Databases** |
| * SQL Server 2019, 2017, Oracle 11g
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| **CI/CD Tools** |
| * Azure DevOps
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| **Version control Systems** |
| * Git, TFS
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| **Message Brokers** |
| * MSMQ, RabbitMQ
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**Professional Experience:**

**HMS Eliza, Danvers, MA   May 2020 - Till Date**

**Role: Senior Full-Stack Engineer**

HMS Eliza is the single-vendor member engagement engine which will delivers better healthcare outcomes faster. It is a Customer facing web application which involves web based development includes developing, implementing and supporting effective interfaces. I’m part of the team building a large, multifaceted business application where a good user experience is pivotal.

**Responsibilities:**

* Implemented Layered Architecture with Application Layer, Business Logic and Data Access Layer
* Developed single page application (SPA) using **Typescript, React, jQuery, jQueryUI**, **HTML5** and **CSS3**
* Developed the **React container** and presentational components (as Stateless and Functional components when applicable).
* Worked on **React.JS components, Forms, Events, Keys, Router, Animations** and **Redux concept**.
* Worked on **React JS Virtual Dom** and **React views**, rendering using components which contains additional components called custom HTML tags.
* Created **Typescript reusable components** and **services** to consume REST API's using Component-based architecture provided by react.js
* Implemented latest **Ecmascript6 (ES6)** features like **arrow functions, constants, block-scope variables** and **class inheritance** etc.
* Experience in building **components library**, including **Tree, Slide-View,** and **Table Grid**.
* Enhanced pages with **jQuery AJAX methods** which provided responsive user interfaces to display the data on the page and to make asynchronous HTTP calls to the server side.
* Service layer was built using **ASP.NET Web API 2** that exposes JSON data in restful manner and were consumed using jQuery Ajax.
* Followed **SOLID principles**, used Ninject IOC for dependency injection with constructor injection for building loosely coupled components for easy maintainability and testability.
* Utilized software tools like **Git** and **Jira** for tracking the status of the work.
* Created Product Backlog, Sprint Backlog, and managed user stories and involved in daily stand-up meetings.

**Environment:** Typescript, React.js, jQuery, jQueryUI, HTML5,CSS3, ASP.NET MVC , ASP.NET Web API 2.0, MS Visual Studio 2019, Git, GitHub, Jenkins, Agile/Scrum.

**STERIS Corporation, Cleveland, OH   May 2019 - Mar 2020**

**Role: Full-Stack Developer**

Steris Corporation is a leading provider of infection prevention and procedural surgical products and services, focused primarily on healthcare, pharmaceutical, research and medical device customers. As the part of IT, I have worked on custom developed .Net based CRM application consisting of various modules such as Accounts, Contacts, Leads, Opportunities, and Forecasts etc. as a full-stack developer.

**Responsibilities:**

* Implemented Layered Architecture with Application Layer, Business Logic and Data Access Layer
* Worked on custom developed **.Net based CRM application** for enabling different modules based upon business needs
* Develop and test CRM changes addressing business needs utilizing mature development standards using **C#, Asp.Net Core MVC, Web API 2.0, Typescript, Angular 2.0/4.0, SQL, Oracle 11g.**
* Developed the application, involved in migrating the application from **Angular 2.0** to **Angular 4.0** and **.Net 4.5** to **Net Core 2.0.**
* Coded business logic and database logic using **Entity Framework 6.0** and **Repository Pattern.** Used **EF Code first** approach and **LINQ to Entities** for data access.
* Implemented **LINQ Query operations** like Grouping, Ordering and Filtering operations to access database for search of routes, drivers and packages.
* Created the controllers and its endpoints using Web API methodology of different **HTTP verbs** in developing Web services.
* Created **RESTFUL services** using WebAPI, built HTTP services and formatted responses using web API media type formatter to JSON type and also responsible for implementing the **token based Authorization** to the service endpoint.
* Read and consumed messages from **RabbitMQ. Client** NuGet package by creating the console application in the CRM application.
* Designed and created models, components, modules, and services to apply client-side logic and **dependency injection** using **Angular 2.0**, implemented Client-side validation using Angular 2 Custom Form Validation with ng-show and ng-hide.
* Developed controller and service methods using **TDD** (Test Driven Development) methodology and developed unit and Integration tests by using **Xunit** framework.
* Worked on business layer to retrieve data from the **Oracle** and **SQL server** by writing complex queries.
* Hands on experience on Azure cloud services like **Logic Apps**, **Azure Functions**, **API Management** and **Cloud Storage** like Azure blobs, Azure Files.
* Utilized software tools like **Git** and **Jira** for tracking the status of the work.

**Environment:** Microsoft CRM**,** C# (6.0), .Net Core, Asp.Net Core MVC, Web API 2.0, Entity Framework 6.0, Xunit, Typescript , Angular 2.0/4.0 , MS Visual Studio 2017, MS SQL Server 2016, Oracle 11g, RabbitMQ, Git, TFS, Azure DevOps, Agile/Scrum.

**UPS, Louisville, KY.       Aug 2018 - Apr 2019**

**Role: .Net Core/Angular Developer**

UPS is an American multinational package delivery and supply chain management company. As the part of IT, I have worked in the development of the Asp.Net Core /angular application named Asset positioning. In this application we can determine where we can park the aircrafts by using various angular components and map- large technique. And developed the API to get the data from the data base into this single page application.

**Responsibilities:**

* Involved in requirement gathering by interacting with business owners and converted them into technical specifications
* Implemented Layered Architecture with Application Layer, Business Logic and Data Access Layer for the .Net Core application.
* Participated in full development lifecycle using **SOLID** design principles and **Object-Oriented Programming (OOPS)** concepts.
* Developed the Single page web application using **ASP.Net Core 2.2, Web Api 2.0, Razor, C#, angular6.0, Typescript, Ajax, Html5, CSS3, JavaScript (ES5), Bootstrap, JSON** and **LINQ**.
* Used **Dependency Injection** to introduce a loosely coupled architecture and make the application more testable.
* Experience in migrating the existing application into **micro services** architecture using Restful API’s.
* Created and utilizes **Web API 2.0** methods for database operations (CRUD) through **Entity Framework Core**.
* Used **LINQ** and **Lambda Expressions** to filter data received from the different API Calls.
* Enhanced the application efficiency by using C# new **Async** and **await** features to perform asynchronous operations.
* Added and configured **Swagger** **UI middleware** for generating useful documentation and to make requests for REST API’s.
* Increased the Security by using **Data Annotation** and **Action Filters** for Client- side and Server-side validations, authentication and authorization. Implemented **JWT authentication** to exchange the information securely for various clients.
* Implemented structured logging using **Serilog** and **seq** to log the events.
* Experience in **test driven development** using **N-Unit** testing for the piecewise testing of the applications.
* Developed the frontend web page by using **HTML5, CSS3, Angular 2/6 using components such as services, pipes, routing, and Http with Observables, JavaScript /Typescript framework**.
* Created Typescript reusable components and services to consume REST API’s using **component-based architecture** provided by **angular 6.0**
* Implemented client-side unit tests using **Jasmine** for angular 6.0
* Familiar with creating the build pipelines using **Jenkins** for deploying applications to OpenShift
* Involved in writing **SQL Queries, Stored procedures** and **triggers.**
* Used **Jenkins** for build process to generate **Continuous Integration** and version control is done by **Git**
* Created Product Backlog, Sprint Backlog, and managed user stories and involved in daily stand-up meetings.

**Environment:** C# (6.0), .Net Core, Web Api2.0, Micro Services, Entity Framework Core, HTML5, Angular 6.0, Typescript, MS Visual Studio 2017, MS SQL Server 2016, Git, TFS, Agile/Scrum.

**Juice plus+ Company, LLC. Collierville, TN         Jan 2017- Aug 2018**

**Role: .Net Core/ Angular developer**

Juice Plus+ made by the Juice Plus+ Company, located in Collierville, Tennessee, a suburb of Memphis. Founded in 1970 by a schoolteacher with the heart of an entrepreneur named Jay Martin, who had a vision to inspire healthy living around the world. I am one among the team as a full stack developer for building the web application for Juice Plus+ Company.

**Responsibilities:**

* Involved in requirement gathering by interacting with business owners and converted them into technical specifications
* Implemented Layered Architecture with Application Layer, Business Logic and Data Access Layer
* Participated in full development lifecycle using **SOLID** Principles and **Object-Oriented Programming (OOPS)** concepts
* Developed the web application **Payment Processing Module (PPM)** using **ASP.Net Core 1.0, MVC 6.0, Web Api 2.0, Razor, C#, angular2.0, Typescript, Ajax, Html5, CSS3, JavaScript (ES5), Bootstrap, JSON** and **LINQ.**
* Used **Hangfire** to perform background processing jobs such as delayed, recurring jobs in our **Asp.Net core** application.
* Created and utilizes **Web API 2.0** methods for database operations (CRUD) through **Entity Framework Core**.
* Increased the Security by using **Data Annotation** and **Action Filters** for Client- side and Server-side validations, authentication and authorization.
* Used **LINQ** and **Lambda Expressions** to filter data received from the different API Calls.
* Enhanced the application efficiency by using C# new **Async** and **await** features to perform asynchronous operations.
* Implemented Angular 2.0 MVC frameworks in **AJAX-driven websites** using proxy to get the data from the back end in the form of **JSON** to populate on the UI components.
* Used **Log4net framework** for error handling and logging.
* Experience in **test driven development** using **XUnit** testing for the piecewise testing of the applications.
* Experience in working with **Angular2** modules, services, templates, directives, services, and dependency injection to create a **SPA**.
* Used **Angular 2.0** CLI commands for productivity and global/generic building blocks.
* Created Typescript reusable components and services to consume REST API’s using **component-based architecture** provided by **angular 2.0**
* Implemented code coverage using **Jasmine** for angular 2.0 on the client side.
* Involved in writing **SQL Queries, Stored procedures** and **Functions.**
* Implemented security in our web application using **Azure** and deployed web application to **Azure.**
* Used **GIT** for version control to track check-ins and rollback code.

**Environment:** C#, .Net 4.5 Framework, MVC 6.0, XML, Ajax, LINQ, CSS3, HTML5, JavaScript, Angular 2.0, Web Api 2.0, XUnit, MS SQL Server 2014, Atlassian Bamboo, Bit bucket, Jira, MS Visual Studio 2015, Agile.

**E-470 Public Highway Authority, CO   May 2016 – Dec 2016**

**Role: ASP.Net developer**

E-470 Public Highway Authority is a Political Subdivision of the state of Colorado; it is a toll highway that turns along the eastern perimeter of the Denver metropolitan area. As the part of IT Development in E-470 Public Highway Authority, it is providing a Toll Administration Portal (TAP) for all the roadways under this authority like E-470, I-25N, I-70 PPSL and I 25C to control the toll rates and to monitor the traffic control on those roadways as well.

**Responsibilities:**

* Developer for Toll Collection system and handled over 250,000 transactions and 1.5 million images each day.
* Involve in general requirements gathering from the client, an analysis of the scope of the development process.
* Designed applications using **UML–Modeling** by applying Object Oriented Analysis and Design (OOAD) and design patterns concepts and methodologies.
* Participated in full development lifecycle using **Object Oriented Programming (OOP)** concepts
* Developed ASP.NET web application in n-Tire architecture using **.NET Framework 3.5**, **C#**, **ASP.NET 4.0**
* Created .NET **User Controls** and Client-Server Validation Controls using **ASP.NET, C# .Net** and JavaScript
* Designed reusable class libraries, implemented those classes using **C#, OOPS, WSDL, SOAP** and **.NET Reflection** library to load persisted classes dynamically, simulating factory pattern
* Created **WCF REST** Services and used different bindings to make it available to different types of clients and also consumed third party Web services for use in the project
* Involved in Designing of the Webpages using **Asp.Net Controls**
* Created **Stored Procedures, Functions, Packages, Triggers, Indexes** and **Views using PL-SQL** in Development and Production environment for **Oracle 11g**
* Created packages for deploying **Store Procedures**, **functions** and **views** as a single unit in Oracle Database
* Developed Data Models by Model First approach using **Entity Framework 4.0** to enable strongly typed LINQ queries.
* Involved in creating of the tables following the **Normalization** techniques
* Involved in performance tuning of **procedures**, **functions** and other **PL-SQL statements**
* Developed dynamic **ASPX** Web pages for Application Using **ASP.Net 4.0, C#, XML, HTML**, **Java Script** and **jQuery**
* Used **AJAX** Controls to increase the performance of the web application
* Implemented client-side validations using **Java Script** and server-side validations by using .NET validation control
* Maintaining the version to the project in **Sub Version Control (SVN)**
* Involved in **Unit testing**, bug fixing, Functionality testing, Integration testing and User acceptance testing

**Environment:** .NET Framework 4.0/3.5, ASP.NET 3.5, C# 3.5, MS Visual Studio 2012/2010, Oracle 11g, Entity Framework 4.0, HTML, PL-SQL, IIS 6.0, SSRS, WCF, Web services, WSDL, SOAP, XSLT, Windows Services, JavaScript, jQuery, IIS, AJAX, CSS, XML, Sub Version Control (Svn).

**Trinity Health Care, Farmington Hills, MI Jan 2015– May 2015**

 **Role: .Net Developer**

CallMD is a web-based application to satisfy the needs of Medical offices. CallMD has various modules like CallRN which collects Patient Medical History, Patient’s Vaccination history, DocsServe which contains patient’s financial data, Registration Details and File MD which stores HIPAA-Complaint EHR (Electronic Health Records).

**Responsibilities:**

* Involved in all the phases of the Project Life Cycle and also analysis of the system based on n-tier architecture
* Used Design Patterns for maintaining relationships between classes and objects with defined responsibilities
* Involved in developing CallMD in Agile (Scrum) Methodology environment
* Involved in Programming and development and worked on Object Oriented Architecture (OOA) and OOD (Object Oriented Design) in C# which involves transactions
* Used controls and other user-friendly mechanisms developed with Web-Custom Controls and User Controls
* Developed whole application in ASP.NET 4.0 using Visual Basic as code behind
* Used various controls in .NET 4.0 Framework, example Grid View control to display data in tabular from and Data Pager control for paging
* Used Win forms controls and Custom User Controls to provide standard interactive User Interface
* Designed and developed dynamic ASPX web pages using VB, ASP.Net, HTML, Java Script, JQuery
* Extensively used Master Pages, Web User and Custom Controls in developing the front-end application
* Used Cascading Style Sheets (CSS) to apply styles to List View and some other tables in dashboards
* Used ASP.NET AJAX Toolkit controls like Script Manager, Update Panel and Modal Popup Extender within some web pages
* Created databases and schema objects including tables, indexes and applied constraints, connected various applications to the database and written functions, stored procedures and triggers using T-SQL and SQL Server 2008
* Worked on wiring up all Windows Communication Foundation (WCF)services with front-end screens in VB, WCF used for distributed communication transactions to the data base
* Used Entity Framework with code first approach to build strong relational mapping with the database
* Involved in Generating, Customizing and Modifying the Reports using SSRS
* Experience in designing and invoking reports for web applications using SSRS (SQL Server Reporting Services)
* Implemented ETL process from Excel and flat file to MS SQL Server using SSIS.
* Used Team foundation server (TFS) for all the source code maintenance needs
* Involved in N-Unit testing and writing test scripts and scenarios

**Environment:** VS 2010, .NET Frame Work 3.5, ASP.NET (3.5/3.0), VB.NET(9.0/10.0), Web Services, LINQ**,** WCF, WPF, SILVER LIGHT, AJAX, Entity Framework 4.0,SQL Server 2008/2005**,** XML ,XSL/XSLT, HTML, JAVA SCRIPT,SSRS ,Unit testing, System Testing, NUNIT 2.2.