**Venkat Rohit**

**Senior .NET Developer**

**E-mail: venkatarohith214@gmail.com**

**Contact:** 7312131186

**LinkedIn: http://www.linkedin.com/in/rohit-venkat-03542719b**

**Professional Summary**

**.NET Developer** with **15+ years** of experience building secure, scalable web solutions using .NET Core,C# and microservices and skilled in clouddevelopment, APIintegration and performance tuning**,** delivering reliable, user-focused applications.

* **Front-End Technologies:** Highly skilled in Angular 18+, TypeScript, AngularJS, React, HTML, CSS, JavaScript, Bootstrap, jQuery and Ajax, developing dynamic and responsive web applications that deliver seamless user experiences.
* **User Interface Design & Optimization:** Adept at crafting intuitive, visually appealing and accessible UIs, optimizing performance through techniques like lazy loading, code splitting and browser caching to enhance loading times and user engagement.
* **State Management Expertise:** Proficient in managing complex front-end application states with Redux and NgRx, ensuring predictable, maintainable and efficient architectures.
* **Front-End Testing:** Experienced with testing frameworks such as Jasmine, Jest, Mocha, Chai, Cucumber and Citrus, delivering reliable and bug-free user interfaces through rigorous validation processes.
* **.NET Development Mastery:** Extensive experience with .NET Core and .NET Framework, leveraging C# fundamentals, including OOP, LINQ and asynchronous programming, to design robust and scalable applications.
* **Back-End Development Expertise:** Proficient in Entity Framework Core, ASP.NET Core MVC and ASP.NET Web API for building secure efficient and maintainable back-end services.
* **Multithreading & Performance Optimization:** Expertise in developing multithreaded applications using advanced threading and synchronization techniques, achieving optimal resource utilization and application performance.
* **Data Visualization Proficiency:** Skilled in integrating PowerBI with data sources such as SQL Server, Excel, SharePoint and cloud platforms, creating insightful and actionable visual analytics.
* **API Development & Testing:** Proficient in designing, developing and testing APIs using Postman, SOAPUI and Swagger UI to ensure seamless integration, performance and security.
* **Security Best Practices:** Deep expertise in implementing robust authentication, authorization and encryption strategies using ASP.NET Core Identity, JWT and OAuth to safeguard applications and sensitive data.
* **Microservices Architecture:** Experienced in designing scalable, distributed systems using Microservices architecture, containerized with Docker and orchestrated with Kubernetes for high availability and fault tolerance.
* **CI/CD Pipeline Expertise:** Skilled in setting up and managing CI/CD pipelines using Azure DevOps, Jenkins and TeamCity, integrating ARM templates for automated, efficient and reliable deployments.
* **Automation & Scripting Expertise:** Proficient in PowerShell scripting to streamline deployment workflows, automate infrastructure provisioning and enhance operational efficiency.
* **Dependency & Application Management:** Expert in managing dependencies with NuGet and implementing robust logging with frameworks like Log4Net and Serilog to ensure effective monitoring and troubleshooting.
* **Performance Monitoring:** Experienced in leveraging tools like Application Insights and New Relic for real-time application performance monitoring, diagnostics and optimization.
* **Cloud Computing Expertise:** Proficient in Microsoft Azure and AWS, delivering scalable and cost-efficient solutions with serverless computing technologies like Azure Functions and AWS Lambda.
* **Containerization & Orchestration:** Advanced skills in Docker and Kubernetes, ensuring smooth deployment, scaling and management of containerized applications for modern development workflows.
* **Project Management Tools:** Proficient in JIRA, Rally, TFS and Confluence for planning, tracking and documentation. Experienced in optimizing workflows, prioritizing tasks and ensuring cross-team alignment to meet deadlines.
* **Communication Platforms:** Adept at using Slack and Microsoft Teams to facilitate seamless communication, drive collaboration and coordinate effectively across cross-functional and distributed teams.
* **Secure Coding Practices:** Experienced in implementing industry-standard security measures, including OAuth2, SSL and JWT, to ensure robust authentication, encrypted data transmission and compliance with best practices.
* **Version Control Systems:** Expertise in GitHub, GitLab and Bitbucket for efficient version control, effective collaboration and maintaining high-quality, well-managed codebases.

**Certifications**

* AWS Certified Solutions Architect Associate.
* Microsoft Certified: Azure Solutions Architect Expert.

**Employment Timeline**

**Client: Visa, San Francisco, CA Sep 2022 - Till Date**

**Senior .Net Full Stack Developer**

# Tasks & Roles:

* Leveraged **Agile methodologies** in the financial domain to accelerate delivery of secure, compliant payment solutions, ensuring alignment with evolving regulations, customer expectations and tight deadlines.
* Designed modular, high-performance financial systems using **Microservices architecture** to improve scalability and resilience in transaction processing, fraud detection and banking applications.
* Designed and optimized **PL/SQL stored procedures, dynamic SQL, and exception handling** for real-time transaction processing.
* Developed responsive UIs with **JavaScript, jQuery, and TypeScript**, enhancing interactivity in Angular 18 enterprise portals.
* Integrated **XML/JSON APIs** for secure communication across payment gateways and mobile banking platforms.
* Developed enterprise-grade financial applications using **ASP.NET Core 3.1 Web API**, enabling secure, scalable and compliant microservices for transaction management, customer onboarding and real-time account servicing.
* Developed robust **RESTful Web Services** for secure, standardized integration with financial institutions, payment networks mobile banking platforms across multi-channel ecosystems.
* Optimized Angular applications with lazy loading, code-splitting, and state management (NgRx) to handle large data grids.
* Delivered features within a structured **enterprise SDLC**, coordinating across dev, QA, and compliance teams.
* Developed enterprise-grade services using **.NET Core** with strong OOP principles, supporting modular financial microservices.
* Facilitated lightweight financial data exchange using **JSON**, enabling rapid communication across distributed payment gateways, mobile apps and financial analytics engines while maintaining performance and data integrity.
* Enhanced API lifecycle management and operational scalability by integrating **Azure API Gateway**, enabling secure and high-performance cloud-based solutions.
* Designed interactive UI components using **Blazor Server with .NET 6**, enabling real-time updates in internal transaction dashboards.
* Used **AJAX with XML/JSON payloads** to fetch financial data asynchronously from REST APIs, ensuring smooth user experiences.
* Secured user authentication and access control through the implementation of **OAuth2 protocols**, ensuring robust application security and protection of sensitive resources.
* Implemented **Blazor’s** two-way binding for role-based admin portals, ensuring secure and responsive financial system interfaces.
* Designed and developed responsive, user-friendly interfaces using **Angular 18**, **HTML**, **CSS**, **JavaScript**, **Bootstrap** and **TypeScript**, elevating user engagement and experience.
* Achieved optimized data storage and retrieval operations with in-depth expertise in **SQL Server**, ensuring high-performance and scalable database solutions.
* Built **ETL pipelines** to transport and aggregate large financial datasets between Oracle, SQL Server, and distributed systems, ensuring accuracy and compliance.
* Configured **Kubernetes** clusters on **Azure AKS**, managing scaling, rolling updates, and secrets for payment processing workloads.
* Performed data migration and transformation tasks using **PL/SQL** scripts for onboarding new clients and financial products, ensuring seamless integration with legacy systems.
* Delivered high-quality, dependable software with comprehensive testing using **XUnit**, ensuring robust application functionality and exceptional performance in **.NET environments**.
* Ensured Angular application stability and performance through rigorous testing frameworks like **Karma** and **Jasmine**, while maintaining reliable web services with **Cucumber** automation testing.
* Developed and optimized complex **PL/SQL stored procedures**, triggers, and functions to support secure and high-performance financial data transactions, including payment processing and customer account updates.
* Built automated **API testing scripts** for JSON/XML endpoints to validate data integrity across payment and fraud-detection systems.
* Designed and deployed highly efficient, cloud-first solutions leveraging **Azure**, aligning with project-specific requirements to deliver scalable, cost-effective and robust implementations.
* Facilitated seamless team collaboration and efficient source code management through **Git**, enabling version control and streamlined workflows for development teams.
* Utilized **Visual Studio** for end-to-end application development and **SQL Server Management Studio** for advanced database tuning, optimization and management.
* Improved debugging efficiency and system performance monitoring with detailed logging solutions using **Log4Net**, ensuring enhanced system traceability and reliability.
* Implemented **OAuth2**-based authentication and fine-grained role-based access control to safeguard APIs and user-sensitive payment information.
* Delivered features within a structured **enterprise SDLC**, coordinating across dev, QA, and compliance teams.
* Automated monitoring and alerting of Kubernetes pods using Prometheus/Grafana, ensuring 99.9% availability of mission-critical services.

**Client: UT Southwestern Medical Center, Dallas, TX Jan 2020 - Aug 2022**

**Senior .Net Full Stack Developer**

# Tasks & Roles:

* Leveraged **Agile** frameworks to manage healthcare software development, ensuring rapid adaptation to clinical needs, HIPAA compliance patient-care priorities while maintaining efficiency.
* Engineered **ETL processes** to migrate and consolidate large patient datasets across SQL Server, Oracle, and cloud systems for HIPAA-compliant reporting.
* Built scalable healthcare applications using **ASP.NET Core 2.0 Web API** and Microservices architecture, delivering solutions for EHR, patient scheduling medical data management.
* Built clinician-facing dashboards with JavaScript, jQuery, and Angular 10, improving usability of medical record systems.
* Collaborated with Texas-based financial partners, aligning with state regulatory requirements in data handling.
* Designed **PL/SQL functions, triggers, and stored procedures** with robust exception handling for clinical data integrity.
* Utilized **PL/SQL** to write stored procedures, functions, and triggers for Oracle-based healthcare applications, optimizing performance and ensuring HIPAA-compliant data handling.
* Monitored **Kafka** cluster health and consumer lag using tools like Prometheus and Grafana, ensuring reliable message delivery and system observability in production environments.
* Utilized **Entity Framework Core** for advanced object-relational mapping, streamlining interactions with complex healthcare databases and ensuring efficient handling of sensitive patient data.
* Applied **object-oriented design patterns in .NET Core**, improving maintainability of medical scheduling and diagnostics systems.
* Executed meticulous testing of **.NET Framework** applications using **XUnit**, guaranteeing software reliability and accuracy in life-critical healthcare environments such as diagnostics, billing and prescription management.
* Integrated message queuing technologies like **MSMQ** to support real-time data communication between clinical systems, improving coordination across departments such as labs, pharmacy and patient admissions.
* Built interactive and user-centric interfaces using **Angular 10**, **HTML**, **CSS**, **JavaScript**, **Bootstrap** and **TypeScript**, enhancing usability for healthcare professionals by enabling responsive access to patient dashboards, medical forms and reporting tools.
* Consumed and exposed **XML/JSON APIs**, validating payloads with automated **API testing frameworks** to ensure reliability.
* Leveraged **Blazor** for internal forms management, enabling clinicians to capture diagnostics and prescriptions in real time.
* Ensured comprehensive testing using **Karma** and Jasmine for front-end validation and **XUnit** for back-end functionality, enhancing reliability of patient-care modules.
* Ensured the reliability and robustness of front-end applications by applying **Karma** testing to validate functionality and create a seamless end-user experience.
* Monitored **Kubernetes** workloads to maintain compliance and ensure reliability of clinical data pipelines.
* Developed and implemented **RESTful Web Services** to standardize data exchange processes, enhancing communication between systems and improving overall compatibility.
* Optimized database performance and reliability by employing **SQL Server**, ensuring smooth data storage, retrieval and management across various use cases.
* Partnered with **Texas state healthcare agencies**, aligning data models and reports to state-mandated standards.
* Applied advanced **Entity Framework Core** techniques to simplify database interactions, improving data flow efficiency and reducing complexity in large-scale systems.
* Delivered stable and efficient software by performing rigorous testing on **.NET Framework** projects using **XUnit**, ensuring smooth and error-free functionality.
* Managed source code effectively using **Git**, maintaining an organized and streamlined version control system for collaborative and transparent development workflows.
* Spearheaded CI/CD automation using **Azure DevOps**, significantly accelerating development cycles and deployment timelines for better project outcomes.
* Implemented secure API access controls using **OAuth2 protocols**, ensuring advanced authentication measures and robust data protection.
* Used **Jira, Confluence, and Bitbucket** for backlog tracking, sprint planning, and documentation in Agile projects.
* Built high-performance applications with **ASP.NET Core Web API** within a scalable **Microservices architecture**, addressing unique business needs with innovative solutions.
* Applied comprehensive knowledge of cloud platforms like **Azure** to design, deploy and manage advanced cloud-native applications aligned with specific project goals.
* Designed and developed backend modules using **ASP.NET Core 2.0 Web API** and Entity Framework Core to manage medical records, patient scheduling, and diagnostics data within a secure healthcare environment.

**Client: Comerica Bank, Dallas, TX May 2017 - Dec 2019**

**.Net Full Stack Developer**

# Tasks & Roles:

* Expertly utilized the **MVC architecture** to develop well-structured, maintainable financial web applications, ensuring scalability and robustness for systems handling sensitive transactions, reporting and compliance workflows.
* Applied **Angular** routing and reactive forms to simplify workflows for compliance and transaction approvals.
* Showcased advanced proficiency in the **.NET Framework**, particularly with **ASP.NET 4.6 MVC**, delivering high-performance web solutions customized to support complex financial operations such as risk analysis, client onboarding and account management.
* Built reusable **Angular** services for client onboarding and account management, improving code maintainability.
* Supported DevOps team in setting up Docker images and **Kubernetes** manifests for ASP.NET MVC and Angular applications.
* Integrated **Blazor** with banking microservices to provide client account summaries in real time.
* Implemented **ETL workflows** for compliance and auditing, transporting and aggregating large datasets between SQL Server, Oracle, and MongoDB systems.
* Engineered RESTful services using **C#** and **Entity Framework** for secure handling of transaction data, and wrote complex **PL/SQL** scripts for Oracle-based reporting workflows.
* Leveraged **Entity Framework** for advanced Object-Relational Mapping, optimizing database interactions for secure handling of financial data, including transaction histories, audit logs and customer information.
* Designed and implemented **SharePoint** solutions with custom sites, lists, libraries web parts to improve collaboration, financial document management workflow automation.
* Developed initial proof-of-concept **Blazor** **WebAssembly** modules to explore modernizing ASP.NET MVC applications.
* Wrote and optimized **T-SQL and PL/SQL stored procedures with dynamic SQL and exception handling** to support complex financial reporting, risk analysis, and account management.
* Utilized **JSON** extensively for efficient and platform-independent data formatting, enabling real-time, lightweight communication between financial applications, APIs and third-party services.
* Engineered **RESTful Web Services** to standardize communication protocols, facilitating seamless integration across banking systems, payment gateways and regulatory platforms, thereby enhancing overall system interoperability and compliance support.
* Wrote and optimized **T-SQL and PL/SQL stored procedures**, employing dynamic SQL and robust error handling to support risk and compliance workflows.
* Built **Blazor** components for admin reporting interfaces, reducing reliance on third-party UI libraries.
* Developed dynamic, interactive and responsive user interfaces using technologies like **ASP.NET MVC**, **Angular 5**, **HTML**, **CSS**, **JavaScript** and **Bootstrap**, delivering exceptional user experiences.
* Seamlessly integrated **Angular 5** with **ASP.NET MVC**, enabling the creation of dynamic, visually appealing interfaces that enhance functionality and user engagement.
* Integrated with **XML and JSON APIs**, developing secure middleware services for real-time reporting.
* Demonstrated versatility in database management by using **SQL Server** for structured data and **MongoDB** for unstructured data, ensuring efficient handling of diverse storage needs.
* Conducted meticulous testing of **.NET Framework** applications using **XUnit**, ensuring the delivery of reliable, robust and high-quality software solutions.
* Contributed to migration of banking apps toward containerized microservices, preparing workloads for **Kubernetes** adoption.
* Employed tools like **Visual Studio** and **SQL Server Management Studio** to streamline the software development lifecycle and optimize database performance.
* Applied **Agile methodologies** throughout project workflows, enabling adaptability to changing requirements, improving team productivity and ensuring successful project outcomes.
* Integrated advanced monitoring and logging tools into **Azure DevOps YAML pipelines**, capturing critical deployment metrics, application telemetry and security logs for better operational insights.
* Automated **data aggregation processes** to prepare regulatory and compliance reports, improving data accuracy and reducing turnaround time.
* Managed comprehensive project documentation using **TFS**, ensuring all artifacts, requirements and decisions were thoroughly documented for effective knowledge sharing and future reference.

**Client: Florida power and light, Juno Beach, FL Nov 2015 - Apr 2017**

**.Net Developer**

# Tasks & Roles:

* Optimized **SQL Server views, stored procedures, and exception handling** to enhance performance of SCADA, outage tracking, and load forecasting systems.
* Built interactive Presentation Layers with **ASP.NET**, integrating **HTML**, **CSS**, **Web Controls** and **Web Forms** using **C#** to deliver user-friendly portals for billing, outage tracking and consumption monitoring.
* Developed an efficient Data Access Layer with **ADO.NET 3.5**, enabling seamless database connectivity and using **DataGrid** and **Datasets** to present real-time **SQL Server** data for energy usage and grid status.
* Optimized complex **SQL Server Views** with advanced **T-SQL** joins to ensure fast, reliable data access for SCADA, load forecasting and reporting applications.
* Implemented robust backend logic with **C#**, supporting secure and high-performance operations in utility systems such as smart meter integrations and customer account services.
* Created insightful **Power BI** dashboards and reports, turning large energy datasets into actionable intelligence for operational efficiency and regulatory compliance.
* Developed centralized, reusable Master Pages for consistent web design, used **DataGrid** controls for dynamic data display delivered interactive management reports via **SSRS**.
* Engineered optimized **Stored Procedures** to handle complex database operations, significantly enhancing data processing and query performance.
* Developed **ETL routines** for integrating and processing large-scale energy consumption data from multiple sources into SQL Server for reporting and analytics.
* Leveraged **Team Foundation Server (TFS)** to manage projects effectively, ensuring organized workflows, reliable version control and seamless collaboration within cross-functional teams.
* Applied **Agile SDLC** and **SCRUM methodologies** to streamline project execution, enabling iterative development and fostering adaptability to evolving requirements.
* Conducted comprehensive automated testing of **.**NET applications using **NUnit**, ensuring a reliable, high-quality codebase through rigorous testing frameworks and practices.

**Client: IDT Corp., Newark, NJ Jan 2013 - Oct 2015**

**.Net Developer**

# Tasks & Roles:

* Developed interactive and responsive front-end components using **HTML**, **CSS**, **JavaScript** and **jQuery**, delivering seamless user experiences across telecom customer self-service portals and service dashboards.
* Contributed to the successful adoption of **Agile methodologies** within the SDLC, supporting fast-paced, collaborative development cycles for telecom software initiatives.
* Created **ETL data operations** for telecom billing and usage tracking systems, ensuring reliable data movement between Oracle, SQL Server, and external partner systems.
* Participated in the design and development of scalable web applications using **ASP.NET**, **C#** and **MVC**, enhancing telecom functionalities such as account management, plan customization and service provisioning.
* Integrated third-party **APIs** and services into telecom platforms to expand service offerings such as international calling, number portability, and user authentication.
* Implemented role-based access control (**RBAC**) within **ASP.NET** applications to ensure secure access to sensitive user data and administrative modules.
* Assisted in building and maintaining **SOAP Web Services**, enabling secure and standardized communication across telecom platforms, billing systems and external service providers.
* Supported backend data operations using **ADO.NET**, optimizing query performance and ensuring reliable database interactions for core telecom services including usage tracking and customer billing.
* Leveraged **AJAX** to enhance web application performance, enabling real-time, asynchronous updates for a more responsive and interactive user experience.
* Contributed to comprehensive application testing using **XUnit** within the **.NET Framework**, ensuring code quality and reliability while gaining valuable insights into automated testing processes.
* Provided support for version control management through **SVN**, developing expertise in tracking code changes, managing repositories and fostering effective team collaboration.
* Created and maintained technical documentation for system architecture, **API endpoints**, and deployment processes to support knowledge sharing and system sustainability.
* Designed and tuned **stored procedures, dynamic SQL, and error-handling logic** to manage high-volume call records and customer data.

**Client: DLK Technologies, Bengaluru, IN Dec 2009– Aug 2012**

**QA Analyst**

# Tasks & Roles:

* **Performed manual functional, integration, and regression testing** for web-based applications, validating business workflows and UI components across multiple browsers and environments.
* Created and maintained test plans, test cases, and test scripts using HP Quality Center (QC), ensuring traceability between requirements, test scenarios, and defects.
* Performed **backend data validation** by writing and executing SQL queries on Oracle and SQL Server databases to confirm data accuracy during ETL migrations.
* Validated complex **stored procedures, triggers, and exception handling logic** as part of QA cycles for large-scale enterprise applications.
* Logged, tracked, and managed defects through Bugzilla and collaborated with developers to ensure timely resolution of critical and high-severity issues.
* Tested SOAP-based web services using **SOAP** UI, validating **XML** request/response structure, schema compliance, and backend integration logic
* Performed backend validation using SQL queries on Oracle and SQL Server databases to ensure data integrity and correctness of transactions across modules.
* Participated in requirement analysis and test case reviews, working closely with Business Analysts and Developers to identify gaps and ambiguities early in the SDLC.
* Prepared daily and weekly QA status reports using Excel and shared them with stakeholders, ensuring clear visibility into test progress, defect metrics, and risks

**Education**

* Bachelors in Computer Science – SRM University - 2009