

# Ricky McClendon

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## PROFESSIONAL SUMMARY

Seasoned Full-Stack Software Engineer with over 10 years of experience specializing in backend development while maintaining a strong command of modern frontend technologies. Expert in architecting, designing, and implementing scalable, high-performance systems using Microsoft technologies including C#, ASP.NET, and .NET Core. Adept in building robust RESTful APIs, managing relational and NoSQL databases, and integrating cloud services across AWS and Azure environments.

Equally skilled on the frontend, with deep proficiency in HTML5, CSS3, JavaScript, and modern frameworks such as React.js, Angular, and Vue.js to deliver intuitive, user-centric interfaces. Demonstrated success leading cross-functional teams in Agile environments, driving end-to-end project delivery from architecture to deployment. Proficient in CI/CD, DevOps practices, and system optimization to ensure maintainability, reliability, and performance at scale.

Combines technical excellence with strong leadership and collaboration, consistently aligning engineering outcomes with business goals to deliver impactful solutions.

### Skills

- **.NET Framework Technologies:** .NET Framework 4.x, .NET Core 3.x, 5.0, 6.0, 7.0, ASP.NET Web Forms, ASP.NET Web API, ASP.NET and ASP.NET Core MVC, ADO.NET, Windows Forms, WCF Services
- **Environment:** Visual Studio 2015/2017/2019/2022, Visual Studio Code
- **Cloud Technologies:** Microsoft Azure, AWS
- **Languages:** C#, Visual Basic, HTML5, CSS3, JavaScript, Typescript, ReactJS, AngularJS, Vue JS, Nodejs, jQuery, Angular 9+
- **Relational Databases:** SQL Server 2014, 2016, 2019, IBM DB2, Firebird, Postgres, MongoDB, T-SQL, PL/SQL
- **NoSQL Databases:** Elasticsearch, Azure Cosmos DB, DynamoDB
- **Analytics & Reporting Tools:** SQL Server Analysis Services, Elastic Stack (w/ Kibana), Power BI, DevExpress Report Server and SQL Server Reporting Services
- **Containers/Orchestration:** Docker, Docker services, Kubernetes
- **3<sup>rd</sup> party Tools:** DevExpress (WinForms), DevExtreme Angular, Telerik, KendoUI, Wijmo, Ag-Grid, Redgate SQL Change Automation

# PROFESSIONAL EXPERIENCE

## Senior Software Engineer

*Bitly | October 2023 – Present*

- Led team and coached them to develop application as web-based n-tier application with UI in presentation layer using **Visual Studio 2019**, **.Net core 6**, **ASP.NET MVC 5**, business logic in middle layer using **C#.Net** and data service activities in backend using **Oracle 11g**
- Played a pivotal role in Analysis, Design, Development, System Testing, and User Acceptance Testing, adhering to **Agile** methodology within the **Scrum** Cycle model, showcasing leadership in project execution.
- Successfully migrated Legacy applications to **.NET Core 6**, resulting in a **18%** reduction in response time and a **20%** increase in overall system efficiency.
- Implemented Model View Controller (MVC) Design Pattern.
- Established various services in react that consume **REST services** from backend written in **.NET 7**
- Built single page applications in **MVVM** way using **ReactJS**. Created different views for the screens in **HTML5**. Coded numerous Web API REST services using **C#**
- Developed and Consumed Web APIs to display data in **ASP.NET MVC razor** Pages
- Involved in development of web application using **MVC5** and server-side code using **C#** classes and **.NET 7 Framework 4.8**, and front-end technologies like **AJAX Library**, **CSS3**, **HTML5** and **jQuery**
- Extensively involved in developing components for business to create controllers to handle events raised on **razor** views in **ASP.Net MVC 5 framework**
- Worked on Using bindings to control construction of Windows Communication Foundation **WCF** channel stack at runtime
- Created Indexes, triggers, views, functions, stored procedures in **Transact SQL** and **PL/SQL** using **SQL Server 2016**
- Developed complex stored procedures using temporary tables and loops using **SQL** and **PL/SQL**
- Created new database objects using **PL/SQL** in development and staging environment
- Involved in development of projects using SQL Server Integrated Services (**SSIS**), SQL Server Reporting Services (**SSRS**)
- Worked on **C#.NET** class models for database connectivity and execution of stored procedures in **Oracle 11g**
- Worked with Accessing the Data from Database and XML's using **LINQ**. Developed Http web services with **Asp.Net Web API Frameworks** for all CRUD Operations.
- Analyzed and designed new **WPF** application using **MVVM** and Repository pattern, from design to completion. Migrating an existing on- premises application to **Azure**.
- Implemented **RabbitMQ** for Windows with Direct Exchanges, with Consumers and Producers for data integration with Windows Services.
- Design and develop the whole project structure of the new architecture using **Domain Driven Design** principles, microservice, **CQRS**, and containers using **Entity Framework Core 2.x** as the main ORM and **SQL Server 2017** (cross platform) as the backend data store for the command (transactional) stack and **Elasticsearch** as the NoSQL data store for the query (read) stack.
- Designed and implemented data solutions on **Azure**, leveraging services like **Azure SQL Database**, **Azure Cosmos DB**, and **Azure Data Factory** to enable real-time analytics, data warehousing, and ETL processes
- Structure scalable database using **PostgreSQL** and write and optimize many queries.
- Implemented **CI/CD** pipelines on **Azure DevOps**, reducing deployment time by **30%** and improving overall development agility.
- Used **Azure Kubernetes Service** to deploy a managed Kubernetes cluster in Azure and created an AKS cluster in the Azure portal with the **Azure CLI**.

- Integrated **Apache Kafka** as a messaging system, enhancing scalability and fault tolerance of the system by **25%**.
- Utilized **Docker** to build and run distributed applications in cloud platforms, ensuring consistency across development environments.
- Actively participated in prioritizing issues and identifying root cause analysis and bug fixes

**Environment:**

Visual Studio 2019, ASP .NET MVC5, C# .NET, .NET Core 6, VB.NET, Web API, Oracle 11g, MVC 5, HTML5, CSS3, AJAX, React, PL/SQL, Azure DevOps, GIT.

## Software engineer

*Tryon Creek Software | October 2021 - September 2023*

- Architected and delivered scalable full-stack applications, supporting millions of daily users with high availability and performance.
- Led the migration of legacy systems to a modern MERN stack, cutting maintenance costs by 40% and boosting performance.
- Streamlined testing and deployment processes, elevating code quality and deployment efficiency.
- Collaborated with product managers and designers to craft user-centric solutions, aligning with business objectives and enhancing customer satisfaction.
- Integrated third-party services to expand product capabilities, driving up user engagement and satisfaction.
- Pioneered the adoption of GraphQL, optimizing data fetching and reducing API call frequency by 30%.
- Crafted custom middleware to ensure efficient and secure data processing, cutting latency and improving performance.
- Optimized application performance, reducing page load times and improving responsiveness.
- Innovated real-time features using WebSockets, enriching user interaction and engagement.
- Led a team in implementing microservices, ensuring a modular and scalable architecture.
- Enhanced the error logging and monitoring system, reducing detection and resolution times.
- Facilitated knowledge-sharing sessions and workshops, promoting best practices and new technologies within the team.

**Environment:**

MERN STACK (MongoDB, Express.js, React.js, Node.js), C# .NET, .NET Core 6, VB.NET, Web API, Oracle 11g, MVC 5, HTML5, CSS3, AJAX, React, PL/SQL, Azure DevOps, GIT.

# Software Engineer

*Fountayn | April 2018 - March 2020*

- Created well - written, optimized, and secure **Microsoft .NET** applications using **C#, ASP.NET, WCF** and **SQL Server**.
- Actively participated in **SCRUM** meetings, demonstrating strong collaboration and communication skills within an **Agile** environment.
- Developed Web application using **ASP.Net, ASP.Net Core 5.0, MVC5**, and **C#, Entity Framework, JavaScript, Knockout.JS, JSON, HTML5** and **CSS3**.
- Worked in using **React JS** components, Forms, Events, Keys, Router, Animations and Flux concept.
- Developed new Widget-app module for MMD 2.0 using **React.js** with **Redux** architecture and **ES6**.
- Worked with **NPM** commands and using Package **JSON** for managing dependencies and dev - dependencies of **Node.js** applications
- Created the Application using **React.JS** and **Node.js** libraries NPM, gulp directories to generate desired view and **flux** to root the URL's properly.
- Experienced with SQL Server Integration Services (**SSIS**) and SQL Server Reporting Services (**SSRS**), designing and implementing data integration and reporting solutions.
- Developed and exposed end points using **ASP.NET Web API 2.0** and Integrated .net core Pipelines and used token-based authorization using **OAuth 2.0**.
- Worked with Java-based tool called **Jenkins** in web interface, and uses MS Build to build **.NET** projects in **Visual Studio**.
- Worked with **Entity Framework, LINQ** and **Lambda** expressions to query and retrieve selective based information from collection objects.
- Creating stored procedure, functions, triggers, views and packages for complex business logics with **SQL Server**.
- Developed **REST API framework** to get data to and from Client application and Database with application logic inside (improving data retrieval efficiency by **20%**).
- Worked on .NET security features such as **Form-Based Authentication** and **Role-Based Authorization**.
- Extensive knowledge working with ADA and making webpages ADA compliance following WCAG 2.0 Standards and by using Jaws screen Reader, AI Inspector for Firefox and wave for Chrome browser.
- Implemented **CI/CD** pipelines for Microservices on **AWS**, reducing deployment time by **25%** and enhancing overall development agility.
- Experience in Cloud based application development and implementation in **NoSql** technologies like **Cassandra, Dynamo DB, MongoDB** and **Amazon Web Services**.
- Developed API for using **AWS Lambda** to manage the servers and run the code in the DB.
- Managed Linux and Windows virtual servers on **AWS EC2** using Chef Server. Configured and monitored distributed and multi-platform servers using chef.
- Experience in core AWS services (**S3, EC2, ELB, EBS, Route53, VPC, Auto scaling** etc.) and deployment services (**Elastic Beanstalk, Lambda, OpsWorks** and **Cloud Formation**) and security practices (**IAM, CloudWatch** and **Cloud trail**).

## Environment:

ASP.Net Core 3.0, .Net Framework 4.7, C#, HTML5, CSS3, Angular 8, Bootstrap, Web API 2.2, Kendo UI, Entity Framework 6.0, OAuth 2.0, Jenkins, SQL SERVER 2016, Microsoft Azure, Visual Studio 2017, Visual Studio Code, GIT. AWS

# Software Developer

*ClearScore, Houston, TX | April 2015 - March 2018*

- Extensively involved in analysis, design, development and implementation of N-tier and web based .NET applications using **C#, ASP.NET, WCF, MVC, Ajax Control toolkit, WCF Services**.
- Experience in developing and implementing applications and interfaces through the different stages of software development by conforming to the enterprise **SDLC** process.
- Took the role of solutions architect for the project migration to the latest .NET (**.NET Core 1.0x**), web and container (**Docker and Kubernetes**) technologies.
- Developed using **HTML5, CSS3, React, Bootstrap** at front-end to provide design, styling, and logic for project
- Created responsive graphs using **D3.js** and **CSS**
- Involved in creating a reusable component using **React JS** and **Redux JS** for DOM Manipulation.
- Used environment file to store specific environment URL's and global configurations (like Material Snack bar)
- Developed Listing page using Material Table, Material Paginator, Table Filter, etc
- Used **LINQ** to Entities to build set of operations, parameters, and expression during execution of set of data from **SQL Server**
- Created tables, stored procedures, and functions in **SQL server 2016**
- Implemented **Entity Framework** Database First approach to interact with Database, reducing development time by **20%**.
- Handle XML data into SQL server for improving performance
- Design tables in SQL Server for newly added functionalities using **SQL Server 2017**
- Created **Entity Framework** Model as Data Access Layer (Database First) and implemented CRUD operations
- Extensively worked on developing applications using **Azure**
- Experience with **Microsoft Azure Services** like **IaaS** and **PaaS**
- Deployed and Maintained windows phone applications on **Azure cloud technologies**
- Implement the unit and integration test structure for the architecture migration using **XUnit**.
- Created a test plan and testing **harness** to test different communication channel and protocol like **TCP IP**, Message Queuing, Database and file.
- Implemented Unit Testing with **Karma** throughout application front-end development phase
- Used **GIT** for version control and **JIRA** for defect tracking
- Configured Oracle Providers for **ASP.NET** as default providers in configuration file and stored various types of application states in Oracle database, improving session management efficiency by **20%**
- Used **Oracle** and **SQL databases** for projects
- Wrote stored procedures using joins, triggers, and views
- Created **PL/SQL** schedulers to run jobs daily/ weekly to update data in Oracle database

## Environment:

ASP.NET 4.5, .Net Framework 4.6, C#, HTML5, CSS3, Typescript, Angular material 7, Bootstrap, Web API 2.2, Entity Framework 6.0, SQL SERVER 2016, Microsoft Azure, Visual Studio 2013, XUnit Visual Studio Code, GIT.

## Junior Software Engineer

*ClearScore, Houston, TX | October 2014 - March 2015*

- Worked with clients for gathering information and creating functional documents, technical documents for each individual projects
- Developed web scraping using **C#, WCF, ASP.NET MVC 5.0** and **SQL Server 2014**
- Developed using **HTML5, CSS3, Angular, Bootstrap**, and **Typescript** at front-end to provide design, styling, and logic for project
- Developed **Angular modules**, routers and services using **Typescript**, resulting in a **30%** reduction in page load times.
- Created reusable templates using Angular directives and work with NPM package manager tools
- Worked on **Angular 4** by consuming **RESTful** web services and used Angular forms like **Template Driven forms** and **Modern Driven forms** to perform form validations both on server and client side
- Worked on Angular forms, validation features like dirty and perform form validations on client side
- Used **JQuery** to perform validations and catch events on client's browser
- Developed **WCF** Services using various contracts like Service Contract, Operation Contract, Fault Contract, Data Contract and Message Contract and configured endpoints for various protocols
- Worked on Credential Library for Payment System using **C#.NET** and **Entity framework**
- Expertise in **ADO.NET** components such as Datasets, Data Adapter, Data Reader, Data View, Data Table and expertise in Web Forms.
- Backend database connections were implemented with help of **LINQ**.
- User Interface modules of this website was tested with help of **Selenium Web driver**.
- Developed SQL queries, stored procedures, and triggers to handle data integrity and database integration
- Performed query optimization and performance tuning for complex SQL queries
- Identify, troubleshoot, and resolve issues in production environment
- Used **Window Azure** to deploy application on cloud and managing session
- Converted .Net application to **Microsoft Azure Cloud Service** Project as part of cloud deployment
- Using **Azure Cloud services** performed various web operations in **Azure App Service**
- Used Fiddler, Chrome developer tools for diagnosis and for web scraping
- Developed reports and dashboards using **SSRS** based on user request

### **Environment:**

.NET Framework 4.5, C#.NET, ASP.NET, ASP.NET MVC 5, Entity Framework, ADO.NET, AJAX, SQL Server 2014, TFS, IIS, VS 2012, SQL Server Reporting Services 2014, Microsoft Azure, LINQ, JavaScript/jQuery, WCF Services, Regex Buddy, XPATH

## EDUCATION

Bachelor of Science in Computer Science

The University of Texas, Austin, Texas

Graduated: May 2014