Curtis McMillin

*Senior Full Stack Software Engineer*

[curtis.w.mcmillin@gmail.com](mailto:curtis.w.mcmillin@gmail.com) | 405-206-4121 | Edmond, OK

# Summary

Polyglot software engineer with over a decade of experience in single-page applications (SPA), REST API, and cloud development, specializing in C# and TypeScript.

# Platforms, Tools, and Technologies

* React (4+ years), Angular (4+ years), Ionic, React Native, Flutter
* C# (21+ years), JavaScript (15+ years), TypeScript (5+ years), SQL (25+ years)
* .NET/.NET Core (22+ years), Node (2+ years)
* SQL Server (20+ years), PostgreSQL, MySQL, Firebase, Oracle, Entity Framework (EF), LINQ, Sequalize
* Azure (4+ years): DevOps, App Services, Functions, Redis, Service Bus, SQL Database, SignalR, Docker, Twilio, SendGrid
* AWS (2+ years): S3, EC2, RDS, Lambda, Serverless
* VS Code, Visual Studio, Chrome Dev Tools, Azure DevOps, GitHub/GitLab, Jira/Trello
* Bootstrap, Material UI, Semantic UI, Highcharts, D3, CSS3/Sass
* ASP.NET Web API, Express, Restify, Redux, NgRx, Axios, RxJS
* xUnit, NUnit, MSTest, Moq, Jest, Mocha, Jasmine
* Agile, Scrum, Enterprise Architecture, Troux/Planview, OOD/OOP, SOLID
* REST, JSON, OAuth, JWT, XML, microservices

# Certifications

* Azure: Fundamentals, Data Fundamentals, Developer Associate (AZ-204) (in progress)
* AWS: Certified Cloud Practitioner
* Microsoft: Exam 483: Programming in C#

# Education

## The University of Central Oklahoma | Edmond, Oklahoma

#### Bachelor of Business Administration (BBA)

#### Major in Decision Science (Operations Research, Statistics)

# Work History

#### 07/2021 - present | Senior Software Engineer | Self-employed Freelancer | Madison CRES

* Developed a tax accounting sales tool utilizing React (TypeScript) and .NET (C#), resulting in a tenfold increase in productivity and quality
* Created and deployed REST APIs to Azure App Services using GitHub actions
* Implemented application workflows and integrated with Box and Dynamics (Dataverse) through .NET SDKs
* *React, C#/.NET 5/6/7, SQL Server, Azure (App Services, SQL Server, SendGrid), GitHub Actions*

#### 10/2020 – 04/2021 | Senior Software Engineer | [MBO Partners](https://www.mbopartners.com/)

* Integral member of an international product engineering team
* Enhanced Angular (TypeScript) and Azure Functions (C#) within a high-revenue IoT SaaS product, exceeding $100m in earnings, by increasing test coverage and maintainability, facilitating product launch in prominent hotel chains such as Hilton and Marriott
* *Angular, C#/.NET Core, SQL Server, Azure (DevOps, App Services, Functions, SignalR, Cache for Redis, Service Bus, Logic Apps, SQL Database, DevOps, Twilio, SendGrid)*

#### 07/2020 – 09/2020 | Senior Software Engineer | Self-employed Freelancer | Bain & Company

* Key technical contributor for a startup product launch
* Addressed numerous performance, scalability, and UX challenges in Angular (TypeScript) and Node, ensuring the product team met launch deadlines
* *Angular, Node, Restify, MySQL/Sequalize, AWS (Lambda, Serverless, RDS, S3, EC2)*

#### 04/2020 – 06/2020

* During the global pandemic work shutdown, earned several AWS and Azure certifications
* Built and deployed a mobile app using Flutter

#### 11/2019 – 03/2020 | Senior Software Engineer | Self-employed Freelancer | Willdan

* Developed a mobile-first, responsive labor tracking solution using Angular and .NET
* Guided junior developers and introduced a solution that decreased labor expenses by threefold and increased quality tenfold
* *Angular, C#/NET Core 3.x, SQL Server, Azure (App Services, SQL Database, DevOps)*

#### 02/2019 – 03/2019 | Senior Software Engineer | Self-employed Freelancer | Starting Strength Gyms

* Built a pixel-perfect mobile-first progressive web app (PWA) in React
* *React/Redux, Firebase, Google Cloud*

#### 11/2018 – 08/2019 | Senior Software Engineer | Self-employed Freelancer | R2 Innovative Technologies

* Developed real-time analytics and mobile solutions for organizations such as LPGA, Golf Channel, and ESPN, which included creating an Angular/Ionic and .NET-based mobile app for scoring LPGA tournaments, as well as designing an Angular and .NET digital dashboard for TV broadcasts and online media outlets to analyze over 50 player statistics
* *Angular 6+, Ionic, C#/.NET Core 2.x, SQL Server, Azure (App Services, DevOps, SQL Database)*

#### 01/2018 – 09/2018 | Senior Software Engineer | Self-employed Freelancer | DACC

* Vital engineering team member in a cryptocurrency custody (Bitcoin, Ethereum) startup, later acquired by Bakkt
* Led various facets of intricate full-stack development using .NET (C#) and React (JavaScript)
* *React/Redux, C#/.NET 4, Node/JavaScript, Azure (App Services, SQL Database, DevOps)*

#### 08/2017 – 12/2017 | Senior Software Engineer | Self-employed [Freelancer](https://www.upwork.com/freelancers/~01c973cfb39e95da7b) | Gemma Power Systems

* Executed significant improvements to an existing enterprise document management system
* Refactored code and developed unit tests for React/JavaScript and C# codebases, enhancing quality and maintainability, and boosting test coverage from 5% to 50%
* *React, .NET Core 2.x, SQL Server, Azure (Blob Storage, Data Factory, App Services), AWS S3*

#### 06/2017 – 12/2017 | Senior Software Engineer | Self-employed Freelancer | SiteTraxx

* Critical resource in the delivery of a construction management solution
* Implemented REST APIs in Node/Express and a SPA front-end in Angular/Bootstrap
* *Angular 2+, Node, Express, Sequalize, MySQL, and Azure (App Services, DevOps)*

#### 08/2016 – 05/2017 | Senior Software Engineer | [Domo Tactical Communications](https://www.domotactical.com/)

* Designed and implemented major features in a suite of big, complex location tracking applications
* *C#/.NET 4, AngularJS, jQuery/JavaScript, SQL Server, and Google Maps*

#### 09/2015 – 08/2016 | Enterprise Platform Architect | [Devon Energy](https://www.devonenergy.com/)

* Drove multiple development platform upgrades, including PaaS, ADLM, and API Management
* Built relationships with stakeholders and captured shared visions through roadmaps and other tools
* Coordinated the build-out of a software development "playbook" for development teams
* *Troux, OpenShift, PingID, Akana API Platform, Atlassian Confluence and Team Foundation Services*

#### 05/2013 – 08/2015 | Solution Developer | [Devon Energy](https://www.devonenergy.com/)

* Designed and implemented enterprise software solutions, including real-time drilling activity visualization/dashboards
* *.NET 4, AngularJS, ASP.NET (MVC, SignalR, Web Forms), D3, and Highcharts, SourceSafe, TFS*