

# 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](#)

- 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 | 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

- 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

- 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

- 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*