

Martin Young

Software Engineer (.NET / React / C#) | Cloud & API Systems
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Summary

Software Engineer with 2+ years of professional experience building production applications using C#/.NET, React, and SQL. Additional 5+ years of experience working with REST APIs, cloud-based support in Azure environments, production troubleshooting, API integrations, CI/CD workflows, and full-stack development. Experienced with AI-assisted engineering workflows and also with Linux and Docker deployments in my self-built HomeLab environment.

Technical Skills

C# • JavaScript • TypeScript • SQL • ASP.NET Core • React • Node.js • Express.js • SQL Server • MongoDB • Azure • Docker • Git • Postman • KQL • AI-Assisted Development

Professional Experience

Software Engineer- Independent Projects, Remote, USA Mar 2024 - Current

- Building and deploying full-stack **ASP.NET Core/C#** and React applications with REST APIs, SQL data layers, and self-hosted HomeLab releases using Docker and Linux.

Fox Finance Software Engineer (Externship-Project-based work) Remote, USA Feb 2026 – Apr 2026

- Built a secure public document upload experience in React (TypeScript, Vite, TailwindCSS) that validates upload links and dynamically renders client-specific data through API integration.
- Extended Prisma data models and seed scripts to support new document types and upload workflows, improving data consistency across admin and public-facing systems.

Electric City Software Engineer (Externship-Project-based work) Remote, USA May 2025 – Aug 2025

- Quickly ramped on a TypeScript/React production codebase contributing user-facing features, bug fixes, validating application behavior through testing using Vitest/Storybook, and code integration within a 5-member Agile engineering team.
- Developed an educational kiosk touchscreen application ([Make a Shark!](#)) using React, TypeScript, and TailwindCSS, deployed via GitHub Pages and used by hundreds of weekly visitors.

Microsoft Corp – Technical Engineer, Azure Storage Team, Austin, TX Jan 2024 – Mar 2024

- Troubleshot Azure Storage production failures, performance issues, API issues, and authorization errors using telemetry analysis, Storage Metrics, and DataLens to identify root causes..
- Resolved Storage API, Redis cache, and authorization failures by analyzing authentication flows, tokens, and backend service behavior to restore reliable access to cloud resources.

FirstClose Corporation – Software Engineer Level 1, Austin, TX May 2022 – Nov 2023

- Enhanced front-end React UI components and HTML/CSS layouts, resolving visual defects and improving user experience in a production application **reducing tickets by 95%**.
- Debugged AKS-hosted services and REST API integrations using New Relic, Postman, and SQL/SSRS reporting tools.
- Integrated MailGun to automate account verification and password resets to reduce production incidents **by over 90%** and developed SQL/SSRS reporting solutions, improving business data accuracy.

Microsoft Corp – Technical Engineer, Azure App Service, Charlotte, NC Jun 2020 – Dec 2021

- Supported enterprise **C#/.NET** and **JavaScript** applications in Azure by diagnosing and resolving performance issues in production, resulting in improved environment reliability and reduced downtime.
- Owned production incident response, driving RCA, coordinating escalations, and partnering with engineering and platform teams to restore service within SLA.
- Triaged and resolved 3 customer tickets/day using AppLens, FileShark (memory dumps), **KQL**, and App Insights; accelerated time-to-resolution and stabilized customer apps contributing to higher code quality and shared ownership across teams.

Spectrum/Charter Communications, Technician Specialist, Charlotte, NC Jan 2019 – Jun 2020

- Utilized internal tools using **HTML/JavaScript** to improve troubleshooting workflows, reducing resolution time **by 40%**.

- Contributed to software development using **C#.NET**, HTML, and **JavaScript**, including improving legacy **ASP.NET WebForms** applications.

Projects

[MyShop](#) (C#, ASP.NET Core, SQL Server)

- Built and deployed a full-stack e-commerce .NET 6 application with SQL Server-backed catalog, cart, and order workflows.
- Implemented session/role-based authentication and PayPal payment handlers, and automated deployments with GitHub Actions; later migrated hosting from Azure to a self-managed HomeLab due to Azure SQL DTU capacity limits.

[What to Wear](#) (React, Express.js, Node.js, MongoDB)

Weather-based clothing recommendation app focused on delivering a personalized, location-aware user experience

- Built and deployed a full-stack, responsive React application that delivers weather-driven API clothing recommendations with authenticated user workflows.
- Developed JWT-secured REST APIs and core CRUD flows for profile and clothing-item management, then migrated hosting from cloud VM to a self-managed HomeLab to reduce recurring costs.

[Eventrian](#) (React, C# - in progress) : Live API endpoint (HomeLab deployment validation)

- Developing React frontend against an ASP.NET Core API; initial HomeLab deployment pipeline validated via Docker and public API smoke tests.

HomeLab Infrastructure

- Built Linux-based HomeLab environment deploying containerized full-stack React applications using Docker, SQL Server, Cloudflare Tunnel routing, and remote SSH administration.

Education

TripleTen - Software Engineering Certificate (React, Express, Node, MongoDB)	2025
Coder Foundry - C# Full-Stack with ASP.NET	2017
Culinary Institute of America - A.A.S., Culinary Arts	1998