

ZACH SYKES

Denver, CO (Remote) • 919-475-6606 • zsykes21@gmail.com
[linkedin.com/in/zach-sykes](https://www.linkedin.com/in/zach-sykes) • github.com/Calathea-Z • zachsykes.dev

PROFESSIONAL SUMMARY

Full-stack software engineer with 5 years of experience building production web applications, internal platforms, and AI-enabled tooling. Strong background in API integrations, cloud systems, and end-to-end product delivery across React, TypeScript, and .NET. Comfortable operating independently in fast-moving environments — from rapid prototyping to production deployment — with a focus on practical automation, developer experience, and responsible AI integration.

CORE COMPETENCIES

Languages & Frameworks: C#, .NET 8, ASP.NET Core, TypeScript, JavaScript, React, Next.js, Node.js, Tailwind CSS, Blazor

AI & Automation: Anthropic API, MCP, structured tool calling, prompt engineering, Claude Code, Cursor, GitHub Copilot

Cloud & DevOps: Azure, GitHub Actions, Azure Pipelines, Docker, Grafana, Application Insights, Vercel

Data & APIs: PostgreSQL, SQL Server, REST APIs, WebSockets, EF Core, JSON Schema

Engineering Practices: CI/CD, automated testing, code reviews, mentoring, API design, responsible AI practices

PROFESSIONAL EXPERIENCE

Full Stack Software Engineer | Forvis Mazars (Remote) 06/2023 – Present

- Built a real-time collaborative internal tool (Planning Poker) on top of internal infrastructure — independently architected and shipped 0-to-1, including WebSocket services and backend APIs; adopted across software teams to replace manual estimation workflows.
- Integrated AI coding tools (Claude Code, GitHub Copilot) into daily workflows to prototype faster, automate repetitive tasks, and refine AI-generated output before production use.
- Led end-to-end delivery across React, TypeScript, Next.js, and .NET — spanning UI architecture, backend APIs, cloud deployment, and production monitoring.
- Designed React/TypeScript component systems and API integration patterns adopted across multiple teams — improved consistency, developer velocity, and onboarding speed.
- Built and maintained CI/CD pipelines (GitHub Actions, Azure Pipelines) and production observability tooling (Grafana, Application Insights) — enabling safe, rapid releases and incident response.
- Partner directly with product, design, and business stakeholders to translate requirements into shipped features — comfortable communicating technical tradeoffs to non-engineering audiences.
- Mentor junior engineers on code quality, architecture patterns, and best practices — invested in raising team-wide technical standards.

SELECTED PROJECTS

zach.dev Portfolio Assistant — Anthropic API • Next.js • ASP.NET Core • C#

- Built an agentic chat interface that answers recruiter and visitor questions by calling structured resume tools — Next.js chat UI, ASP.NET Core streaming backend, Anthropic integration.
- Implemented request validation, abuse safeguards, and bounded tool access patterns for safe production-oriented AI integration.

Portfolio MCP Resume Server — Model Context Protocol • Node.js • TypeScript • .NET

- Built a stdio MCP server exposing the same seven structured resume tools as the portfolio chat — consumable by Claude Desktop and any other MCP client, no bespoke HTTP integration required.
- JSON input schemas are parity-tested in .NET against the chat API's tool contracts — keeping the Anthropic and MCP surfaces aligned as the schema evolves.

EDUCATION

Software Engineering Bootcamp — General Assembly