

Brian Birbrayer

Full Stack Developer • C#/.NET • GitHub & Azure DevOps • AI/ML

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SUMMARY

Full Stack Developer with a B.S. in Computer Science and a strong AI/ML foundation built in Python with the standard ML toolset. At Optum / UnitedHealth Group, builds and ships production C#/.NET web applications and APIs. Works across both GitHub and Azure DevOps, having helped migrate the team from one to the other. Fluent with modern AI developer tools, including daily use of Claude Code and GitHub Copilot.

TECHNICAL SKILLS

Languages: C#, Python, TypeScript, SQL, JavaScript, Java, HTML / CSS, C / C++

Frameworks & Libraries: .NET / ASP.NET Core, React, Next.js, Tailwind CSS

Machine Learning: NumPy, Pandas, scikit-learn, PyTorch, TensorFlow / Keras

Cloud & DevOps: Microsoft Azure, Vercel, GitHub, GitHub Actions, Azure DevOps, Git, CI/CD

AI Tools: Anthropic (Claude) SDK, Claude Code (CLI) & Cowork (daily), GitHub Copilot; broad fluency across AI dev tools

Databases: PostgreSQL (Supabase), MySQL

Tools & Platforms: Visual Studio, Postman, CLI

PROFESSIONAL EXPERIENCE

Developer

2024 – Present

Solstice Benefits, Inc. • contracted via Optum | UnitedHealth Group

- Design, develop, and deploy production web APIs and full-stack features in C#/.NET within a large healthcare-technology environment.
- Helped migrate the team's applications from Azure DevOps to GitHub — moving repositories, rebuilding CI/CD pipelines as GitHub Actions workflows, and re-establishing branching and release processes with minimal disruption.
- Own day-to-day source control, pull requests, and deployments through GitHub and GitHub Actions within an Agile delivery process.

QA Engineer

2023 – 2024

Solstice Benefits, Inc. • contracted via UnitedHealth Group

- Authored and executed test plans to validate functionality and surface defects before release.
- Partnered with developers to reproduce, document, and verify fixes, building deep product and codebase knowledge that led to a development role.

PROJECTS

birbs.ai — AI Idea-Intake Agent

Personal Project

Next.js / TypeScript • React • Anthropic (Claude) SDK • Supabase (Postgres) • Vercel

- Built and shipped a full-stack web app where an AI agent (Anthropic SDK) runs a guided intake — asking clarifying questions to shape a visitor's rough idea into a structured brief, then routing it straight to a submission queue with no account required.
- Engineered a server-only chat API with per-IP rate limiting, backed by Supabase Postgres with row-level security.

EDUCATION

B.S. in Computer Science — Milwaukee School of Engineering

2016 – 2022

AI / Machine Learning Focus: devoted the final years of the program to artificial intelligence and machine learning, working primarily in Python with NumPy, Pandas, scikit-learn, PyTorch, and TensorFlow / Keras.

Relevant Coursework: Introduction to Machine Learning, Machine Learning, Introduction to Deep Learning, Artificial Intelligence, Algorithms & Advanced Data Structures, and related electives.

Minor: Mathematics • Varsity Ice Hockey (NCAA), 2016–2018