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Cody Partin

Professional Summary

Results-driven software engineer with 7+ years of experience developing and optimizing .NET (C#) and WPF applications. Proven track record leading infrastructure modernization (CI/CD pipelines, build systems) and internal tooling to improve developer productivity. Skilled in memory profiling and performance tuning complex applications (JetBrains dotMemory, Visual Studio profiler). **AI-native thinker** and early adopter of tools like ChatGPT and GitHub Copilot, with hands-on experience integrating AI capabilities (Semantic Kernel) into products. A fast learner who excels at diving into unfamiliar technologies and delivering innovative solutions in high-impact, fast-paced environments.

Skills

- **Languages & Frameworks:** C#/.NET (Framework & Core), WPF/XAML (MVVM), MVC, Xamarin, MAUI, SQL
- **DevOps & Build Systems:** Azure DevOps, GitHub Actions, CI/CD pipelines, MSBuild, NuGet, Windows Installer (MSI/EXE)
- **Performance & Profiling:** Memory management, .NET performance optimization, JetBrains dotMemory, Visual Studio Diagnostics
- **AI & Productivity Tools:** ChatGPT, Codex CLI, Claude Code, Gemini CLI, Copilot CLI, Cursor, Semantic Kernel
- **Software Practices:** Clean Code (StyleCop), Unit Testing, Agile/Scrum, Technical Documentation, Mentoring & Leadership

Professional Experience

Biosero (Remote) | Sept 2021 – Present

Software Engineer II, *Mar 2024 – Present*

- **Infrastructure Modernization:** Led migration of CI/CD pipelines from Azure DevOps to GitHub Actions, standardizing build versioning (Directory.props/targets) and improving plugin integration for more robust, consistent builds.
- **Release Engineering:** Overhauled code signing and installer processes, upgrading build pipelines and integrating StyleCop analyzers into plugin projects to enhance code quality, maintainability, and deployment reliability.
- **Technical Documentation:** Performed in-depth driver pre-sales assessments and authored comprehensive specification documents to streamline developer handoff and reduce implementation friction.
- **AI Advocacy & Adoption:** Delivered a highly praised company-wide AI presentation (~100 colleagues) to promote AI-driven productivity, and championed early adoption of ChatGPT and GitHub Copilot across the engineering team.
- **AI Integration Projects:** Piloted the integration of generative AI features into .NET products using Microsoft's Semantic Kernel (OpenAI GPT models), demonstrating the viability of AI-powered enhancements and new product capabilities.
- **Performance Optimization & Leadership:** Investigated critical memory-management issues using profiling tools (JetBrains dotMemory, Visual Studio) to resolve memory leaks and enable Large Address Aware (LAA) support for high-memory workloads. Served as Subject Matter Expert for the flagship WPF application (Green Button Go), mentoring new engineers and coordinating cross-functional efforts to diagnose and fix complex bugs.

Software Engineer I, *Sept 2021 – Mar 2024*
- **UI Modernization:** Revamped the WPF-based Green Button Go user interface in collaboration with a UX designer, adopting the MahApps.Metro framework and updated design language to improve look-and-feel and user experience.
- **Build & DevOps Ownership:** Took ownership of Azure DevOps build/release pipelines, developing CI/CD expertise from scratch. Rebuilt the application installer (MSI) for significantly improved reliability and user experience.
- **Quality & Standards:** Introduced and enforced clean-code standards across 12+ projects by implementing StyleCop analyzers and fostering a unit-testing culture, resulting in more maintainable code and fewer regressions.
- **Compliance & Documentation:** Co-engineered a major product compliance initiative (FDA 21 CFR Part 11) as compliance SME, enabling the product's use in regulated markets and unlocking new revenue streams. Authored thorough project documentation (README, contributing guides, release notes) to accelerate onboarding and ensure process consistency.
- **Innovation & Leadership:** Presented a company-wide "AI in the Workplace" session (Dec 2021) to ~100 employees, accurately forecasting the coming ChatGPT era and encouraging early adoption of AI tools. Won the inaugural company Bug Bash (addressing the most issues) and led a hackathon prototype that was green-lit for production, demonstrating creativity and initiative. Mentored new hires and participated in engineering interview panels to support team growth.

Sealaska (Remote) | 2016 & Jan 2018 – Aug 2021
Web Developer (promoted from Junior Web Developer), *Jan 2018 – Aug 2021*
- **Full-Stack Development:** Built and maintained features for MySealaska, a large-scale web portal (Angular/Ionic front end with C#/.NET and SQL back end), delivering new capabilities and improvements for thousands of users.
- **Front-End Modernization:** Led an initiative to migrate the legacy AngularJS codebase to Angular 2+ and TypeScript, adopting cutting-edge frameworks to improve application performance and maintainability.
- **Cross-Functional Collaboration:** Worked closely with a distributed Agile team to implement client requirements, fix bugs, and optimize user experience across the web and mobile platform.

Information Technology Intern, *May 2016 – Aug 2016*
- Developed a C# Windows application to enable staff to efficiently search and query company data, improving data retrieval speed and usability for internal users.
- Initiated the upgrade of Sealaska's main web app by introducing TypeScript and migrating from AngularJS/Ionic 1 to Angular 2/Ionic 2 (early adoption despite sparse documentation), setting the stage for a modernized tech stack.
- Operated with a high degree of autonomy, rapidly learning new frameworks and tools (Angular, Ionic, C#) to deliver value within a short internship period.

Education
- **B.S. in Informatics**, Arizona State University, 2014 – 2018
  - **Certificate in Game Design**