

Daniel Dominguez

SOFTWARE ENGINEER | .NET · PAYMENT SYSTEMS · AI-POWERED DEVELOPMENT

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Professional Summary

Software Engineer with 4+ years of experience building C#/.NET payment systems, enterprise APIs, and SaaS integrations. Integrates Claude, OpenAI Codex, and Cursor into daily engineering workflows and builds reusable AI skills to automate development tasks. Delivered payment facilitator infrastructure, machine learning fraud detection, and production automation that reduced operating costs and improved reliability.

PROFESSIONAL EXPERIENCE

Invoice Cloud, Inc.

Software Engineer II

Dec 2024 - Present

- Designed and delivered payment processing APIs, a ledger service, and customer onboarding workflows for a payment facilitator platform, reducing processing costs by approximately 50% for participating customers.
- Architected and built a fraud and abuse detection service using machine learning anomaly detection across legacy and modern systems, protecting platform capacity and saving approximately \$90K per month in third-party vendor costs.
- Integrated Datacap to enable card-present (CP) payment processing through point-of-sale (POS) systems, expanding in-person payment acceptance.
- Developed a reusable AI skill that takes work items from grooming through implementation to ready for testing, automating steps across the software development workflow.
- Applied Claude, OpenAI Codex, and Cursor to support day-to-day software development and technical problem-solving.
- Led migration of legacy services to modern .NET, increasing transaction throughput by 25%.
- Developed and maintained ASP.NET Core REST APIs and WCF SOAP services for a multi-tenant payment platform processing more than 1 million transactions per month.

Software Engineer I

Aug 2022 - Nov 2024

- Automated on-call incident response and diagnostics, saving more than two hours daily and reducing mean time to resolution for priority-one incidents by 30%.
- Improved Azure DevOps CI/CD build and release pipelines, reducing deployment change failures by 45%.
- Refactored legacy Visual Basic and C# applications to improve testability, expanded unit testing with NUnit and Moq, and added automated testing with Playwright.
- Built onboarding and migration tools that supported adoption of a new ACH payment processing strategy.
- Provided production support for high-volume payment and batch processing systems serving more than 3,000 customer organizations.

Skills

- **Languages:** C#, SQL, Python, JavaScript, Visual Basic
- **Backend & APIs:** .NET 8, .NET Framework, ASP.NET Core, WCF, REST, SOAP
- **AI & Automation:** Claude, OpenAI Codex, Cursor, AI-assisted development, reusable AI skills, development workflow automation
- **Payment Integrations:** Datacap, Chase Orbital Gateway, J.P. Morgan Commerce Platform, Cybersource (Wells Fargo), Bluefin
- **Cloud & Delivery:** Azure App Service, Azure Functions, Azure Key Vault, Azure DevOps, CI/CD, Git, GitHub
- **Databases:** SQL Server, Oracle, MySQL
- **Testing:** NUnit, Moq, Playwright

EDUCATION

Drexel University

Master of Science, Software Engineering

Aug 2020 - Aug 2022