FRANCISCO FOCARACCIO

SENIOR SOFTWARE ENGINEER

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ABOUT

Senior software engineer with 12 years building software products end to end, from the backend systems that do the heavy lifting to the web apps people use, across fintech, banking and IoT. Strongest in the .NET/C# ecosystem: microservices, event-driven architectures and cloud infrastructure on Azure and AWS, with full-stack experience in TypeScript, Angular and React. I use AI coding agents every day across the development lifecycle, from code generation and refactoring to code review, and I've explored integrating LLM capabilities into the products I build.

EXPERIENCE

Senior Software Engineer

Mobi724 01/2022 - Present

- Built a real-time payment processing microservice for the Visa Offers Platform, receiving and processing Visa card transactions.
- Develop .NET microservices for banking integrations, points-based payment systems and loyalty programs, using event-driven architecture with RabbitMQ on Azure.
- Manage SQL Server databases, Azure services (App Services, Azure Functions, Container Apps, Key Vault, API Management) and CI/CD pipelines in Azure DevOps.
- Integrated AI coding agents (Claude Code, GitHub Copilot, Cursor) into the development workflow for code generation, refactoring, debugging and code review, with human validation on every change.
- Explored LLM integration patterns for .NET applications: prompt engineering, tool/function calling, structured outputs and agent-based workflows.

Senior Full Stack Software Engineer

Siblings Software 07/2021 - 01/2022

- Developed and maintained the backend (.NET Core, ASP.NET) and frontend (TypeScript, React) of a web application merchants use to process customer payments and manage invoicing.
- Built and maintained REST APIs with ASP.NET and .NET Core on top of SQL Server and PostgreSQL.
- Contributed to the full migration of the frontend from AngularJS to Angular 12.

Full Stack Software Engineer

Smartmation 06/2018 - 07/2021

- Built the backend (.NET, C#) and frontend (TypeScript, Angular) of an IoT platform for remote street lighting management, letting customers monitor, visualize and control public streetlights through an interactive map.
- Built a WinForms desktop application from scratch for the field installation and pairing of streetlights, communicating with IoT devices through MQTT (Mosquitto).
- Managed cloud infrastructure on Azure and AWS and containerized applications with Docker.

Software Engineer

FPA Software 01/2017 - 06/2018

- Developed and maintained .NET desktop applications (WinForms) used by banks and brokerage firms to run trading desks and back-office operations.
- Built the installers used to package and distribute the applications to clients.

Full Stack Software Engineer

Accenture 12/2014 - 01/2017

- Worked full-stack on a financial and project management application for cost tracking and invoicing: backend in C# and ASP.NET MVC, frontend in AngularJS, data layer in SQL Server.
- Worked in Scrum teams, tracking work in Jira and using Git for version control.

SKILLS

Backend: C#, .NET (8/10), .NET Core, ASP.NET Core, Web API, REST APIs, JWT, Entity Framework, RabbitMQ
Architecture: Microservices, Event-Driven Architecture, Distributed Systems, Software Architecture
Frontend: JavaScript, TypeScript, Angular, React, HTML5, CSS3
Databases: SQL Server, PostgreSQL, MongoDB, Redis
AI / GenAI: LLM Integration, AI Agents, Prompt Engineering, AI-Assisted Development (Claude Code, GitHub Copilot)
Automation: n8n, Make
Microsoft Azure: Azure App Service, Azure Functions, Azure SQL Database, Azure Container Apps, Azure Container Registry (ACR), Azure Virtual Machines, Azure API Management, Azure Key Vault, Application Insights
AWS: EC2, RDS, S3, VPC, SES, IAM
DevOps: Azure DevOps, CI/CD, Docker, Git

EDUCATION

Associate's Degree in Applied Computer Science 2009 - 2013
Universidad Tecnológica Nacional (UTN)

LANGUAGES

Spanish (Native)
English (Upper Intermediate / B2)