JOAQUIN CUBERO

Senior .NET & AI Developer Lead

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EXECUTIVE OVERVIEW

Dynamic .NET & AI Developer Lead with 23+ years of professional .NET development experience and 3 years as an Azure AI specialist. Currently pursuing a Master of Business Administration in AI for Business at Universidad Panamericana (Remote) for about 3 years, combining technical expertise with strategic business acumen. Expert in cross-platform mobile development using Xamarin.Forms and .NET MAUI, advanced Azure AI solutions including Azure OpenAI, AI Search, Document Intelligence, and comprehensive cloud-native applications. Proven track record designing and implementing AI-powered solutions using Microsoft Azure services, machine learning implementations, and enterprise-grade fraud detection systems. Expert in C#, .NET frameworks, Python, Azure cloud services, and modern AI-assisted development tools including Cursor AI and Windsurf.

PROFESSIONAL EXPERIENCE

Senior .NET & Azure AI Developer Lead

Paradigm Store • January 2024 - Present • Remote

Leading development of Azure AI-powered e-commerce platform with intelligent microservices architecture. Responsible for Azure AI services integration, machine learning implementation, and cloud-native technical strategy.

- Architected and developed Azure AI ecosystem for e-commerce automation using Azure OpenAI and Azure AI Search
- Implemented machine learning models using Azure Machine Learning for product recommendation and customer service
- Designed RAG (Retrieval-Augmented Generation) architecture using Azure OpenAI and Azure AI Search for intelligent product catalog management
- Created AI-powered product catalog management with automated data extraction using Azure Document Intelligence
- Developed real-time AI processing systems using Azure Functions and Azure App Service for customer interactions
- Integrated Azure Cosmos DB for product catalog and customer data management
- Implemented Azure Storage for image and document storage with Azure Blob Storage
- Utilized Azure Queues for asynchronous message processing and task orchestration
- Deployed microservices architecture using Azure Kubernetes Service (AKS) for scalable containerized applications

- Implemented NLP solutions with comprehensive evaluation using BLEU, ROUGE scores, and human evaluation methodologies
- Implemented LangChain Memory Manager for context retention and conversation history management across AI agent interactions
- Fine-tuned Azure OpenAI models for domain-specific use cases in e-commerce
- Optimized prompt engineering techniques for Azure OpenAI to improve response quality and accuracy
- Utilized advanced AI-assisted development tools including Cursor AI and Windsurf for rapid development and code optimization

Senior .NET & AI Developer Lead

Axos Bank • December 2023 - November 2024 • Remote

Led development of advanced Azure AI solutions and machine learning implementations for financial services. Specialized in Azure OpenAI integration, neural network optimization, and AI-powered customer service automation using Microsoft Azure services.

- Designed and implemented Azure AI solutions using Azure OpenAI (GPT-4, GPT-4o) for fraud detection and customer service automation
- Developed and deployed machine learning models using Azure Machine Learning for fraud detection systems
- Created automated customer service solutions using Azure OpenAI with RAG (Retrieval-Augmented Generation) architecture
- Implemented Azure AI Search for intelligent document retrieval and knowledge base management
- Utilized Azure Document Intelligence for automated document processing and data extraction
- Led technical architecture decisions for Azure cloud-native financial applications
- Deployed solutions using Azure Functions, Azure App Service, and Azure Kubernetes Service (AKS)
- Integrated Azure Cosmos DB for scalable, high-performance data storage and retrieval
- Utilized Azure Storage and Azure Queues for distributed system architecture
- Collaborated with cross-functional teams to integrate Azure AI solutions into existing .NET applications
- Developed cross-platform mobile applications using .NET MAUI for banking operations with Azure backend integration
- Implemented NLP solutions with evaluation metrics including BLEU, ROUGE, and human evaluation frameworks
- Integrated LangChain Memory Manager (LangChain.NET) for persistent context management and conversation history in .NET applications
- Utilized AI-assisted development tools (Cursor AI, Windsurf) for rapid prototyping and code generation
- Managed AI development using Cursor and Windsurf in Axos Bank's application using Azure DevOps
- Achieved significant reduction in bug occurrences and improved overall application performance
- Developed AI Fraud Agent for real-time fraud detection

Senior Xamarin Developer & .NET MAUI Specialist

Magaya Corporation • August 2021 - July 2024 • Remote

Led Xamarin.Forms and .NET MAUI development for Flow WMS, enhancing operational efficiency through modern, user-friendly mobile applications integrated seamlessly with cloud-based backend systems. Implemented AI-driven solutions for automated testing and quality assurance.

- Led Xamarin.Forms development for Flow WMS, enhancing operational efficiency through modern, user-friendly mobile applications

- Spearheaded migration to .NET MAUI (Multi-platform App UI) for existing Xamarin.Forms applications
- Implemented custom features and functionalities within Flow WMS using Xamarin.Forms and .NET MAUI
- Developed RESTful API integrations with .NET backend services
- Coordinated with Autonoma to implement AI-driven end-to-end (E2E) testing solutions using AI automation
- Implemented AI-powered testing frameworks for quality assurance and automated test generation
- Collaborated closely with UI/UX designers and product managers to refine user interfaces
- Provided technical leadership and mentorship to junior developers
- Integrated cloud services and APIs for seamless data synchronization

Freelance Mobile Developer

Various Clients • February 2015 - August 2021 • Remote

Intelisoft S.A., YPrime, Proto-brz, Practice Law Institute, BIS S.A.

- Developed Xamarin.Forms applications for Tributación Directa and Factura Electrónica, enabling efficient electronic invoicing and direct taxation on mobile platforms
- Created UberWash app using Xamarin.Forms, a mobile application for scheduling car washes with Uber-like functionality and user experience
- Built Star Wars fan information app with Xamarin.Forms, providing comprehensive content with seamless cross-device experience
- Developed native iOS application for INSURANCE Costa Rica using XCode and Swift, offering critical emergency services including ambulance and tow truck dispatch
- Implemented chat-based iOS applications for Zermat and Teledolar using XCode and Swift, leveraging Telegram Open Source for real-time information and support
- Developed robust YPBYOD application using Xamarin Native for iOS and Android, enabling efficient data collection for clinical studies
- Created Frebo application using Xamarin.Forms for cross-platform book sharing and tracking within community
- Developed Mercaderistas application using Xamarin.Forms for product reviewers in supermarkets to efficiently track and manage products
- Built Factur-e application using Xamarin.Forms for electronic billing to "Hacienda" for efficient tax management

iOS Development Specialist

Various Clients • 2012 - 2015 • Remote

Price WaterHouse Cooper, Jiffy Software, Multiple Freelance Projects

- Developed iOS applications for iPhone and iPad using XCode and Native Swift, focusing on Mexican tax law consultation and display
- Led maintenance and updates for Filmtastic, an XCode iOS application specializing in social networking with enhanced photo, audio, and video sharing
- Implemented Facebook AudioTool framework integration into Filmtastic, enabling seamless audio editing and sharing capabilities
- Developed Cooking Plan it app version 2.0 for iOS, supporting both iPhone and iPad with device-optimized designs
- Architected 3-layered structure (UI, Business Logic, Core Data) for Filmtastic app, optimizing performance and maintainability
- Created Pushwood Skate Park Locator iOS application with Core Data integration and Google Maps API

- Developed RPE Mobile iOS application with Core Data integration and RESTful services for restaurant order management
- Built Stanley Smart Measure iOS application with advanced image processing algorithms for accurate dimension measurement

Senior Mobile Developer

Upwork • 2010 - 2020 • Remote

Freelance mobile development projects for various international clients.

- Completed 50+ mobile development projects for clients worldwide
- Specialized in iOS and Android app development using native and cross-platform technologies
- Delivered high-quality mobile solutions with 100% client satisfaction rate
- Worked with startups to enterprise-level companies across multiple industries
- Provided end-to-end mobile development services from concept to deployment

Software Developer

Prosoft • 2008 - 2012 • Costa Rica

Software development and system integration projects.

- Developed custom software solutions for local and international clients using .NET Framework
- Worked on system integration projects and database management
- Collaborated with cross-functional teams to deliver enterprise solutions
- Gained experience in full-stack development and software architecture
- Contributed to multiple projects across various industries and technologies

TECHNICAL SKILLS

Programming Languages: C#, .NET, Python, JavaScript, TypeScript, SQL, Java, Swift

.NET & Microsoft Technologies: .NET Framework, .NET Core, .NET 6+, ASP.NET, .NET MAUI, Xamarin.Forms, C#

Azure AI Services: Azure OpenAI (GPT-4, GPT-4o), Azure AI Search, Azure Document Intelligence, Azure Machine Learning

Azure Cloud Services: Azure Functions, Azure App Service, Azure Kubernetes Service (AKS), Azure Cosmos DB, Azure Storage (Blob, Queue), Azure Active Directory

AI & Machine Learning: Azure OpenAI, LangChain (LangChain.NET for .NET integration), RAG Architecture, NLP, Fine-tuning, Prompt Engineering, Model Evaluation (BLEU, ROUGE, Human Evaluation), LangChain Memory Manager

Mobile Development: .NET MAUI, Xamarin.Forms, iOS Development (XCode, Swift), Cross-platform Architecture

Development Tools: Visual Studio, VS Code, .NET SDK, Cursor AI Code Editor (Early Adopter), Windsurf AI Development Environment, Git, Docker, Kubernetes

Databases: Azure Cosmos DB, PostgreSQL, MySQL, SQLite, MongoDB, Redis, SQL Server

Cloud Platforms: Microsoft Azure (Primary), AWS, Google Cloud Platform

Frameworks: ASP.NET Core, .NET Framework, .NET Core, Flask, FastAPI, Django, React, Node.js, Express.js

Specializations: Azure AI Solutions, RAG Architecture, NLP & Model Evaluation, Cloud-Native Applications, Microservices Architecture, Fraud Detection Systems, E-commerce Automation

EDUCATION

Master of Business Administration in AI for Business (In Progress)

Universidad Panamericana • 2023 - Present • Remote

Bachelor of Science in Systems Engineering

Universidad Internacional De Las Americas (UIA) • 2007 • San José, Costa Rica

Electro-Mechanical Engineering

Universidad Fidélitas • 2004 • San José, Costa Rica

CERTIFICATIONS & ACHIEVEMENTS

- Microsoft Azure AI Engineer Associate (In Progress)
- Microsoft Azure Developer Associate (In Progress)
- AI Spark Diploma - Coforge University
- Information Security and Privacy Diploma - Coforge University
- Windsurf Specialist - Udemy
- Diploma in English Language - British Institute
- Early Adopter of Cursor AI Code Editor - Advanced AI-assisted development
- Windsurf - Next-generation IDE expertise
- AWS Certified Solutions Architect (In Progress)
- Google Cloud AI/ML Specialization (In Progress)
- Advanced Python Programming Certification
- Diploma in Precision Mechanics - INA (Instituto Nacional de Aprendizaje)

LANGUAGES

Spanish (Native) • English (Fluent) • French (Intermediate)