JOAQUIN CUBERO CHAVES

AI Agent Developer

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🎂 **DOB:** 22/11/1976 | 🇨🇷 **Work Authorization:** CR Citizen | 🗣️ **English:** 8/10 (Fluent)

PROFESSIONAL SUMMARY

System Engineer with 4 years of specialized experience in AI architecture, agent orchestration, and cloud-native AI systems, and 25 years total in software engineering area, mostly as fullstack developer. Currently pursuing MBA in AI For Business at Panamerican Business School. Expert in Azure AI solutions (Azure OpenAI, Azure Machine Learning, Azure AI Search) and building scalable agent platforms, with deep expertise in Python/APIs, data pipelines, RAG (Retrieval Augmented Generation), and LangChain/Langfuse workflows. Proven track record of deploying production AI agents at high speed, designing innovative AI solutions, and implementing secure, scalable agent ecosystems for enterprise clients. Currently leading AI agent development at Paradigm Store, with previous experience in Azure AI solutions at Axos Bank and AI engineering at Magaya Corporation.

Core Expertise: Azure AI (Azure OpenAI, Azure ML, Azure AI Search) • Agent Stack Architecture • Python/API Development • Data Pipelines • RAG Systems • LangChain/Langfuse • High-Speed Agent Deployment • Data Science (BigQuery, Salesforce) • .NET MAUI • LangChain.NET

TECHNICAL SKILLS

AI & Agent Stack

Agent Platforms: Agent Orchestration Frameworks
Agent Development: LangChain, Langfuse, CrewAI, Multi-Agent Systems, Agent Workflow Design
AI Frameworks: TensorFlow, PyTorch, OpenAI API, Google Gemini, Hugging Face Transformers
RAG Systems: Vector Databases (Pinecone, Weaviate, Chroma), Embeddings, Semantic Search, Knowledge Retrieval
AI Tools: GitHub Copilot, Cursor AI, Windsurf, AI-assisted Development

Programming & APIs

Languages: Python (Advanced), C# (.NET), JavaScript, TypeScript, SQL, Java
API Development: REST APIs, GraphQL, FastAPI, Flask, Django, Express.js, .NET APIs
.NET Development: .NET MAUI, LangChain.NET, Azure DevOps, .NET Core
API Integration: Multi-system orchestration, Webhook development, Real-time data processing
Data Flow: Secure API gateways, Microservices architecture, Event-driven systems

Data Engineering

Data Pipelines: ETL/ELT processes, Real-time data streaming, Batch processing
Data Processing: Apache Airflow, Prefect, Custom pipeline frameworks
Data Sources: Databases, APIs, File systems, Streaming data
Data Quality: Data validation, Cleaning, Transformation, Monitoring

Data Science & Analytics

Big Data Analytics: Google BigQuery, BigQuery ML, Customer profiling, Behavioral analysis
CRM Integration: Salesforce, Customer data management, Marketing automation
Data Analysis: Customer segmentation, Lifetime value prediction, Churn analysis
Marketing Analytics: Profile-based targeting, Campaign performance analysis, Data-driven marketing strategies

Cloud & Infrastructure

Cloud Platforms: Azure (Azure OpenAI, Azure ML, Azure AI Search, Azure Functions, AKS, Azure Cosmos DB), Google Cloud Platform
Containerization: Docker, Kubernetes, Container orchestration
DevOps: CI/CD pipelines, Infrastructure as Code, Monitoring (Prometheus, Grafana)
Deployment: High-speed agent deployment, Production system management, Scalability optimization

Automation & Workflow

Workflow Tools: n8n (Node-RED), Make (Integromat), Zapier
Process Automation: Workflow design, System integration, Process optimization
Automation Frameworks: Custom automation solutions, Event-driven automation

Databases & Storage

Databases: PostgreSQL, MySQL, SQLite, MongoDB, Redis, Vector Databases
Data Storage: Cloud storage, Object storage, File systems
Data Management: Database optimization, Query optimization, Data modeling

PROFESSIONAL EXPERIENCE

AI Agent Developer

Paradigm Store | Remote | January 2024 - Present

Leading development of production multi-tenant e-commerce AI platform with 12 specialized AI agents serving real users. Responsible for AI agent architecture, LangChain orchestration, data pipeline design, and cloud-native technical strategy.

Key Achievements:
• Architected and deployed production multi-tenant e-commerce AI platform with 12 specialized AI agents serving real users, achieving 99.9%+ uptime
• Built LangChainOrchestrator for agent workflow orchestration using AgentExecutor, tools, and prompt chains (production code)
• Designed and implemented comprehensive data pipelines for product catalog management, customer behavior analysis, and real-time inventory updates
• Developed RAG (Retrieval Augmented Generation) systems using vector databases for intelligent product search and recommendation, processing 2,500+ products
• Created Python-based APIs and microservices for multi-agent communication, ensuring efficient data flow across 12 specialized agents
• Implemented LangChain workflows for complex e-commerce automation, including product catalog management, customer service, and order processing
• Utilized Langfuse for agent monitoring, debugging, and performance optimization across all production agents
• Built high-speed agent deployment pipeline, enabling rapid iteration and deployment of new AI capabilities
• Architected Marketing Performance Agent with LangChain orchestration, LangChain Memory for conversation history, and scientific method workflows for autonomous marketing optimization
• Implemented Data Science solutions using Google BigQuery for customer behavior analysis, profile creation, and data-driven marketing targeting
• Built customer profiling and segmentation systems using BigQuery analytics, processing large-scale customer data for targeted marketing campaigns
• Integrated Salesforce CRM for customer data management and marketing automation workflows
• Developed profile-based marketing strategies using BigQuery ML for customer lifetime value prediction and churn analysis
• Developed multi-modal computer vision agents: Gemini 2.5 Pro (face recognition, product image search) + LLaVA (self-hosted) + YOLO fallback
• Created AI-powered customer service agent with natural language processing, WhatsApp integration, and intent detection
• Built payment processing agent with Stripe, BAC Credomatic, PayPal, SINPE integration and automated tax calculation
• Implemented product catalog agent with intelligent search, admin dashboard, and shopping carousel (2,500+ products)
• Deployed production system on DigitalOcean/Contabo VPS with 99.9%+ uptime, Docker, Nginx, Prometheus monitoring
• Integrated REST and GraphQL APIs for multi-system orchestration (payment, CRM, inventory, order management)

Technologies: LangChain (Orchestration), Langfuse (Monitoring & Debugging), LangChain Memory (Conversation History), Python, RAG, Vector Databases, Data Pipelines, REST APIs, GraphQL, Docker, Kubernetes, Gemini 2.5 Pro, Production AI Agents, BigQuery, Data Science, Salesforce, Customer Profiling, Marketing Analytics, Multi-Agent System Architecture, Agent Communication Protocols

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AI Agent Developer

Axos Bank | Remote | December 2024 - October 2025

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.

Key Achievements:
• 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
• Managed AI development using Cursor and Windsurf in Axos Bank's application using Azure DevOps, implementing new features and solving bugs
• Achieved significant reduction in bug occurrences and improved overall application performance
• Developed AI Fraud Agent for real-time fraud detection

Technologies: Azure OpenAI (GPT-4, GPT-4o), Azure Machine Learning, Azure AI Search, Azure Document Intelligence, Azure Functions, Azure App Service, Azure Kubernetes Service (AKS), Azure Cosmos DB, Azure Storage, Azure Queues, .NET MAUI, LangChain.NET, Cursor AI, Windsurf, Azure DevOps, RAG, NLP, BLEU, ROUGE

AI Agent Developer

Magaya Corporation | Remote | August 2021 - December 2024

Led AI engineering initiatives for warehouse management systems, focusing on AI agent development, workflow automation, and intelligent process optimization using modern AI tools and frameworks.

Key Achievements:
• Architected and implemented AI agent systems for warehouse management automation using LangChain for workflow orchestration
• Built intelligent automation workflows using n8n (Node-RED) for process automation and system integration
• Developed AI-powered automation solutions using Make (formerly Integromat) for seamless data flow and process orchestration
• Utilized GitHub Copilot as primary developer agent for accelerated code development and AI-assisted programming, reducing development time by 50%
• Designed and implemented data pipelines for warehouse inventory management, order processing, and logistics optimization
• Created Python-based APIs for AI agent communication and integration with Magaya WMS systems
• Implemented RAG systems for intelligent document processing and knowledge retrieval in warehouse operations
• Built agent-based testing frameworks using AI-driven end-to-end (E2E) testing solutions in collaboration with Autonoma
• Developed innovation function frameworks for rapid prototyping of AI features in warehouse management
• Deployed AI agents at high speed for warehouse automation, reducing manual processing time by 40%
• Integrated LangChain workflows with existing Magaya systems for intelligent decision-making and process optimization
• Created automated workflows using n8n for real-time inventory updates, order routing, and logistics coordination
• Built Make integrations for connecting Magaya WMS with external systems, payment processors, and shipping providers

Technologies: LangChain, n8n, Make (Integromat), GitHub Copilot, Python, RAG, Data Pipelines, REST APIs, AI Agent Development, Workflow Automation, Warehouse Management Systems

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Freelance Mobile Developer

Various Clients | Remote | February 2015 - August 2021

Fullstack mobile development for multiple clients including Intelisoft S.A., YPrime, Proto-brz, Practice Law Institute, and BIS S.A.

Key Achievements:
• 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
• Developed native iOS applications for INSURANCE Costa Rica using XCode and Swift, offering critical emergency services
• Implemented chat-based iOS applications for Zermat and Teledolar using XCode and Swift, leveraging Telegram Open Source
• Developed robust YPBYOD application using Xamarin Native for iOS and Android, enabling efficient data collection for clinical studies
• Created multiple cross-platform applications using Xamarin.Forms for various industries

Technologies: Xamarin.Forms, Xamarin Native, iOS Development (XCode, Swift), .NET, C#, Cross-platform Development

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iOS Development Specialist

Various Clients | Remote | 2012 - 2015

iOS application development for Price WaterHouse Cooper, Jiffy Software, and multiple freelance projects.

Key Achievements:
• Developed iOS applications for iPhone and iPad using XCode and Native Swift, focusing on Mexican tax law consultation
• 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

Technologies: iOS Development, XCode, Swift, Core Data, RESTful APIs, Google Maps API, Image Processing

Senior Mobile Developer

Upwork | Remote | 2010 - 2020

Freelance mobile development projects for various international clients.

Key Achievements:
• 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

Technologies: iOS Development, Android Development, Native and Cross-platform Technologies, Mobile UI/UX

Software Developer

Prosoft | Costa Rica | 2008 - 2012

Software development and system integration projects for local and international clients.

Key Achievements:
• Developed custom software solutions for local and international clients
• 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

Technologies: Full-stack Development, System Integration, Database Management, Software Architecture

KEY PROJECTS

Production AI Agent Platform (Paradigm Store)

Role: AI Agent Developer
Duration: January 2024 - Present
Technologies: LangChain, Langfuse, Python, RAG, BigQuery, Salesforce, Docker, Kubernetes

• Deployed 12 production AI agents serving real users with 99.9%+ uptime

• Built comprehensive LangChain orchestration system for multi-agent workflows

• Implemented RAG systems processing 2,500+ products with intelligent search

• Created data pipelines handling 50K+ contact campaigns and real-time analytics

• Integrated BigQuery for customer profiling and data-driven marketing

• Integrated Salesforce CRM for customer data management and automation

AI Fraud Agent System (Axos Bank)

Role: AI Agent Developer
Duration: December 2024 - October 2025
Technologies: Azure OpenAI (GPT-4, GPT-4o), Azure Machine Learning, Azure AI Search, Azure Document Intelligence, Azure Functions, Azure Cosmos DB, .NET MAUI, LangChain.NET, Azure DevOps

• Developed AI Fraud Agent for real-time fraud detection using Azure OpenAI and Azure Machine Learning

• Implemented Azure AI solutions with RAG architecture for intelligent document processing

• Built Azure cloud-native financial applications using Azure Functions, Azure App Service, and AKS

• Integrated Azure Cosmos DB for scalable data storage and Azure AI Search for document retrieval

• Achieved significant reduction in bug occurrences and improved application performance

Warehouse AI Automation (Magaya Corporation)

Role: AI Engineer
Duration: August 2021 - December 2024
Technologies: LangChain, n8n, Make, GitHub Copilot, Python, RAG, Data Pipelines

• Developed AI agent systems using LangChain for warehouse management automation

• Built automation workflows using n8n and Make for process optimization

• Created data pipelines for inventory management and order processing

• Reduced manual processing time by 40% through AI automation

• Leveraged GitHub Copilot for rapid development, reducing development time by 50%

EDUCATION

Master of Business Administration in AI for Business (In Progress)
Panamerican Business School • 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

• **AI Spark Diploma** - Coforge University
• **Information Security and Privacy Diploma** - Coforge University
• **Windsurf Specialist** - Udemy
• **Early Adopter of Cursor AI Code Editor** - Advanced AI-assisted development
• **Windsurf Power User** - Next-generation IDE expertise
• **Google Cloud AI/ML Specialization** (In Progress)
• **Advanced Python Programming Certification**

LANGUAGES

Spanish (Native) | **English** (Fluent - Level 8/10) | **French** (Intermediate)

AVAILABILITY

Interview Availability: Friday - Saturday, 10 AM - 4 PM (Costa Rica Time)
Notice Period: Immediate
Work Authorization: CR Citizen
Current Offers: None

Last Updated: January 2025