• cristian.duquew@gmail.com • (57) 311 398 8094 • cristianorrego.dev
• /in/cristianorregod/ • github.com/cristianorregod

CRISTIAN FERNANDO ORREGO DUQUE

Software Engineer | AI Solutions Architecture & Integrations

Software Engineer with 5 years of experience designing enterprise software. I design architectures that integrate Generative AI into business operations: AI agents, RAG, and MCP servers integrated with ERP and CRM via APIs, ensuring security, traceability, and cloud deployment. Experience in the financial sector delivering AI solutions and credit eligibility policy analysis.

MOST RECENT WORK EXPERIENCE

Applications Lead at Industrial Distributors International Co.

May 2024 - Present - *Formerly Software Engineer (May 2024 - May 2026)* [Procurement and Supply Chain]

RESPONSIBILITIES:

- Define the company's AI and integration solutions architecture and lead the team in building and deploying them.
- Integrate LLM models with corporate platforms (NetSuite, Salesforce, Microsoft 365) via APIs, featuring authentication, auditing, and traceability for every AI action.
- Establish development and deployment standards for the team (conventions, testing, CI/CD).

KEY ACHIEVEMENTS:

- **Developed** an AI logistics agent that classifies supplier emails and generates actionable suggestions in the ERP, reducing management time per order by 70%.
- **Built** an MCP server that globalized access to KPI-oriented data, enabling any user to generate real-time metrics and analysis without relying on a support desk.
- **Designed** and **developed** an agent that captures responses to Requests for Quotation (RFQ), extracts data using LLMs, and pre-loads the system with human validation, eliminating manual email transcription and reducing user operational time by 45%.
- **Automated** invoice and dispatch guide generation using Power Automate and Python, reducing process time by 70%.

Software Consultant / Technical Advisor at Colraices

June 2024 - Present - *Formerly Full Stack Developer (January 2022 - May 2024)* - [Financial & Real Estate Services]

RESPONSIBILITIES:

- Advise on software and AI architecture, and coordinate the development team.
- Co-founded and evolved the backend and frontend for credit viability and credit line authorization using partner bank rules, in production.
- Ensure operational continuity and security of critical credit systems (JWT, document access control, short-lived SAS URLs).

KEY ACHIEVEMENTS:

- **Designed** and **built** a multi-agent assistant using LangGraph and RAG trained on credit policies, property data, client information, and TransUnion report analysis to generate client-ready financial reports, doubling the commercial advisors' client management capacity.
- **Led** the development of an automated credit analysis system, reducing evaluation time from 2 hours to 5 minutes per client and enabling customer self-service.
- **Implemented** real-time bidirectional integrations between CRM and other systems, reducing lead response time from 3 days to 1 day.

TECHNICAL SKILLS

- **AI:** OpenAI API | Fast MCP | Gemini API | RAG | Embeddings | PGVector
- **Languages:** Python | JavaScript | TypeScript | PHP | SQL
- **Data**: PostgreSQL | MySQL | MongoDB | Elasticsearch | ETL/ELT
- **Web Stack:** Node.js | React.js | Next.js | Laravel | FastAPI | Django
- **Cloud & DevOps:** AWS | Azure | Docker | Git | GitHub Actions
- **Enterprise Platforms:** Oracle NetSuite (SuiteScript, REST, SOAP, SuiteAnalytics Connect) | Salesforce | HubSpot | Power Automate

EDUCATION

Systems Engineering at Corporación Universitaria Remington
June 2017 - December 2021

COURSES

Applied Software Architecture Course at Platzi
January 2026 - 30 hours

Docker Course on Udemy
January 2026 - 20 hours

MCP with Microsoft Azure Course at Platzi
November 2025 - 30 hours

Advanced Node.js Course at Platzi
June 2025 - 60 hours

FastAPI Course at Platzi
April 2024 - 40 hours

Next.js: The React Framework for Production on Udemy
May 2023 - 120 hours

LANGUAGES

Spanish: Native
English: B1