

RAMIRO GONZALEZ COITIÑO

Email: ramirogc21@gmail.com | WhatsApp: +55 (48) 99659-1116

LinkedIn: linkedin.com/in/ramiro-gonzalez | GitHub: github.com/ramigonzalez

Location: Florianópolis, SC, Brazil (Remote) - Uruguayan

SUMMARY

- Senior AI Engineer with over 9+ years of backend development experience, specializing since Jan 2025 in production Generative AI Systems.
- Delivered scalable LLM-powered solutions with >90% accuracy using OpenAI embeddings integrating with vector databases such as pgvector, Qdrant, Pinecone.
- Expert in translating complex business requirements into code, driving rapid iteration across fintech, gaming, and Web3 domains.
- Built scalable serverless APIs and microservices with FastAPI, Docker, and CI/CD pipelines, integrating OpenAI and Claude LLMs to deliver high-accuracy solutions for fintech, gaming, and Web3 clients.
- Proficient in English (C1) and experienced in Agile sprint planning, code reviews and cross-functional collaboration within fast-moving startup environments.
- Skilled in full-stack development with Python, FastAPI, REST APIs and modern JavaScript/TypeScript frameworks, delivering robust SaaS applications.

TECHNICAL SKILLS

- **Programming Languages:** Python, Node.js, Typescript, JavaScript, Java, Solidity, SQL
- **AI Frameworks/LLM Models:** LangChain, LangGraph, LlamaIndex, OpenAI, Claude, Gemini, OpenRouter
- **Prompt Engineering:** Chain-of-thought, few-shot, structured JSON outputs - Monitoring: Latency tracking, cost optimization, safety guardrails
- **AI Architecture:** RAG Architecture, LLM Architecture, Retrieval Pipelines, Agent-based Approaches, Tool Calling, Trade-offs in AI System Design
- **Backend Frameworks:** FastAPI, Express.js, Spring Boot, Hibernate, Hardhat, ethers.js, web3.js, Polygon, Ethereum
- **Architecture:** Microservices, Distributed Systems, Event-Driven Systems, Serverless, Async Processing, Caching, Parallelism, REST APIs,
- **Software Engineering Principles:** SWE Principles, SOLID Principles, Design Patterns, Clean Code
- **Databases:** Relational (MySQL, PostgreSQL), NoSQL (MongoDB, Elasticsearch, Redis), Vector Databases (Qdrant, Weviate, Pinecone, pgvector, ChromaDB)

- **Cloud Platforms:** AWS, Railway
- **Methodologies:** Agile, Scrum, Test-Driven Development, Clean Code, Code Review, Technical Documentation, Team Leadership
- **Development Tools:** Streamlit, Gradio, RabbitMQ, BullMQ, SQS, Hardhat, ethers.js, web3.js, n8n, Git, Docker, CI/CD Pipelines, GitHub Actions

PROFESSIONAL EXPERIENCE

AI Engineer

codeSHIFT AI, Florianópolis, Brazil

Jan 2025 - Present

- Led end-to-end AI implementations for enterprise clients across customer support, retail, architecture, and professional services, delivering measurable impact.
- Deployed over 10 production conversational agents using LangChain, FastAPI, OpenAI GPT-4, reducing tier-1 support from 80% to 32% with > 90% resolution accuracy.
- Engineered RAG pipelines using pgvector/Qdrant/Pinecone achieving > 90% answer relevance and cutting hallucinations by 65% through semantic chunking and hybrid search.
- Created digital clone technology that replicated human decision-making and communication via advanced prompt engineering techniques (chain-of-thought, few-shot) and ElevenLabs voice synthesis, enabled three clients to scale interactions fivefold with 85%+ satisfaction.
- Collaborated with product owners to define AI requirements and ensured alignment with business objectives.

Co-Founder

Zup Protocol (Defi Protocol)

Aug 2024 - Dec 2024

- Secured 1st place in Ethereum Argentina (60+ teams) and Ethereum Uruguay (20+ teams) hackathons, delivering a functional DeFi protocol MVP in 48 hours.
- Presented the solution to over 5 Venture capital firms across Latin America resulting in acceptance into an acceleration program.

Backend Software Engineer

Ether Private Bank

Jul 2024 - Sep 2024

- Implemented PIX payment integration with multiple providers through asynchronous processing using BullMQ to handle over 1,000 transactions weekly.

- Refactored backend API routes following NestJS best practices, enhancing maintainability and performance.
- Ensured compliance with financial regulations through thorough logging and audit trails.
- Optimized database queries, reducing payment processing latency by 30%.

Chief Technology Officer

Anny Baas

Sep 2023 - Apr 2024

- Directed a five-person team to build a crowdfunding platform for real-world asset tokenization using Node.js, Solidity, PostgreSQL, delivering MVP in four months.
- Architected the backend and DeFi protocol prioritizing core features to meet MVP release criteria.
- Managed stakeholder communications and secured strategic partnerships with fintech investors.
- Established engineering best practices, including code reviews and automated testing, improving code quality.
- Oversaw product roadmap and prioritized features for MVP delivery within tight timelines.

Backend Software Engineer

The Sandbox (Web3 Game), Montevideo, Uruguay

May 2022 - Mar 2024

- Designed and implemented the monetization backend (Node.js, Express.js, MySQL, Redis) serving 120K+ monthly active users, introducing a Page Exposure feature projected to increase revenue by 20% with performance optimization via caching using Redis and async processing with BullMQ.
- Authored comprehensive API documentation, reducing bug reports by 80% and cutting developer onboarding time from three weeks to one week.
- Mentored three junior developers on Node.js and Docker best practices; decreasing production-critical incidents by 40% through rigorous code reviews.

Early Career:

- **Software Engineer | dLocal (Fintech Payments) | Aug 2021 - Dec 2021**
- **Senior Backend Engineer | Xmartlabs / Guardant Health | Mar 2021 - Aug 2021**
- **Software Engineer | Overactive / XPO Logistics | March 2020 - March 2021**
- **Software Engineer | Altimetrik / Salesforce | April 2016 - April 2020**
- **Junior Software Engineer | TCS | 2015-2016**
- **Quality Assurance | Altimetrik | 2013 - 2013**

EDUCATION

- **Professional FullCycle course certificate, Mar 2025 - Jul 2025**
FullCycle Academy
- **Post-Graduate Certificate in Computer Science, Mar 2023 - Jul 2023**
Universidade de São Paulo
- **Bachelor's Degree in Software Engineering, 2010 - 2022**
Universidad ORT Uruguay

AWARDS & RECOGNITION

- 1st Place - Academia Lendária (2025): Style-replication AI system (200 participants)
- 1st Place - Ethereum Uruguay & Argentina Hackathons (2024): Zup DeFi platform
- 2nd Place - Chainlink Global Hackathon (2024): On-chain insurance protocol

LANGUAGES

- English: Advanced Proficiency (C1)
- Spanish: Native
- Portuguese: Fluent