

Daniel Eduardo Ramos Martinez

Full-Stack Developer | Node.js | React | Python | Django | Flutter | IA |

CONTACT INFORMATION

Phone: +57 312-575-9252

Email: danielduardoramos977@gmail.com

LinkedIn: daniel-ramos-1670252b2 /

Address: Cl 10 # 34-11 Poblado Medellín-Antioquia, Colombia

PROFESSIONAL SUMMARY - SOFTWARE ENGINEER

Full-Stack Developer with 4+ years of experience building scalable, high-performance applications and RESTful APIs. Proficient in **JavaScript, TypeScript, React & Redux, Node.js, Express, Flutter & Dart, Astro, PostgreSQL, GraphQL (Apollo), MongoDB, MySQL, Firebase, AWS, GCP** and **Python & Django** with a focus on AI. Passionate about process optimization through CI/CD, agile methodologies, and technology solutions that drive business efficiency.

PROFESSIONAL EXPERIENCE

Remoti | Senior Full-Stack Engineer IA

March 2026 – Julye 2026 (6 months) | Chile (Remote)

Architected and deployed a high-performance Enterprise RAG and Autonomous AI Agent architecture. Led the development of asynchronous **Python/FastAPI microservices and stateful agent orchestration using LangGraph**, delivering **sub-3-second** unstructured data processing while optimizing production **LLM operational costs**.

Project / Key Achievement: Enterprise RAG & Autonomous AI Agent Architecture

- Architected & Deployed End-to-End RAG Pipelines: Built high-performance Retrieval-Augmented Generation (**RAG**) systems in **Python** to process unstructured enterprise data (PDFs, documentation, logs) with sub-3-second query response times.
- Optimized Retrieval & Context Accuracy: Implemented dynamic document chunking strategies, **hybrid search algorithms**.
- Designed Autonomous **AI Agents**: Developed stateful **AI agents using LangGraph and Python**, utilizing **Function Calling** / Tool Use with **Pydantic** for structured output parsing to seamlessly connect **LLMs** with **SQL databases** and external **REST APIs**.
- **Engineered Production-Ready Backend Services**: Built asynchronous microservices using **FastAPI (async/await)**, integrated **Server-Sent Events (SSE) / WebSockets** for response streaming (**reducing Time-To-First-Token**), and containerized services via **Docker** for scalable cloud deployment.
- **LLMOps & Performance Monitoring**: Managed token consumption, **latency metrics**, and **API cost** optimization while ensuring strict data privacy and prompt security standards.
- **Tech Stack**: **Python, FastAPI, LangChain, LangGraph, OpenAI API, Google Gemini SDK, Qdrant / ChromaDB / pgvector, Pydantic, Docker, PostgreSQL, TypeScript, React.**

Space-Eyes | Full-Stack Engineer

March 2025 – June 2026 (1 year 4 months) | Miami, Florida, United States (Remote)

Full-Stack Engineer focused on the design, **development, and integration of complex monitoring, security, and defense systems**. Responsible for end-to-end software architecture, integrating artificial intelligence models, **third-party APIs, and hardware signal processing into web, mobile, and desktop applications**.

Key Projects & Achievements:

- **Morpheus (RF C-UAS System):** Spearheaded the full-stack development of an advanced **desktop application for the detection and neutralization of commercial drones using radio frequency (RF) technology**. Implemented high-performance **backend** services in **Python and FastAPI** for RF signature processing and countermeasure (**jamming**) execution, alongside dynamic, real-time user interfaces built with **React and TypeScript**.
- **SeaWatch:** Developed a robust maritime monitoring and surveillance system, featuring expert integration with the UP42 platform to automate and manage satellite imagery tasking. Orchestrated the infrastructure and led the large-scale **deployment of the project using Docker containers and AWS cloud services**.
- **FireWatch:** Designed and programmed an early-warning wildfire surveillance platform. Developed both the **web platform and the mobile application** using **React Native**, significantly expanding the system's operational reach and accessibility for field operators.
- **Mems (Acoustic Anti-Drone Defense):** Developed and integrated an innovative acoustic defense system capable of detecting and neutralizing unmanned aerial vehicles (UAVs) by analyzing the real-time sound frequencies and acoustic signatures emitted by drone motors and rotors.
- **Core Engineering & Architecture:** Designed and implemented **robust backend microservices using Python and FastAPI, orchestrating end-to-end project bootstrapping, Docker containerization, and deployment across local and AWS cloud environments for seamless, high-availability operations**.

Technologies: Python, FastAPI, React, React Native, TypeScript, Docker, AWS, AI Integration, UP42 (Satellite Tasking), Cybersecurity, Radio Frequency (RF) Analysis, Desktop Development, RESTful APIs, Git, Agile/Jira

Conalca SAS (Mar 2024 – Mar 2025)

Full-Stack Developer

- Developed AI-driven automated projects using **Python** and the **Django** framework to create robust and efficient solutions.
- Implemented web scraping and advanced automations, optimizing data flows and processing.
- Administered web applications on **AWS**, configuring instances, **elastic IPs**, and domains for **cloud deployments**.
- Utilized **AWS Glue** for **database** integration and management.
- Maintained and improved frontend applications built with **React** and **TailwindCSS**, ensuring performance and scalability.
- Coordinated multidisciplinary teams to guarantee on-time delivery of features and uphold software quality.
- Implemented Cloud Functions in **Firebase** and **Google Cloud Platform (GCP)** for server-side logic and triggered operations based on **Firebase** events.

Technologies:

Python, Django, SQL, AWS, AWS-GLUE, GCP, React, TailwindCSS, Git, AI/ML, Web Scraping

Freelance Mobile Developer (Oct 2023 – Mar 2024)

Full-Stack Developer

- Created mobile applications in **Flutter** and **Dart**, providing custom solutions for global clients
- Designed the backend in **Dart** and managed the **Firebase** database, including authentication and notification
- Used Figma for **UI/UX** design and **Android Studio** for setup and app compilation
- Developed **RESTful APIs** for seamless system integration across internal platforms.
- Tested **APIs** with **Postman**, ensuring proper interaction between **frontend** and **backend**.
- Implemented Cloud Functions in **Firebase** and **Google Cloud Platform (GCP)** for server-side logic and triggered operations based on **Firebase** events.
- Utilized **Google Cloud** Storage to handle file uploads and downloads efficiently, integrating it into the mobile app for seamless user experience.
- Integrated Firebase Cloud Messaging (**FCM**) for real-time notifications and messaging between users.

Technologies: Flutter, Dart, Firebase, Google Cloud Platform (GCP), Android Studio, Figma, Postman, Cloud Functions, Firebase Cloud Messaging (FCM), Google Cloud Storage

Full-Stack Developer – Canal Capital (Feb 2023 – Aug 2023)

Full-Stack Developer

- Developed web applications for multimedia content management and distribution using **Node.js** and **Express.js**.
- Built the frontend with **React** and **TypeScript**, leveraging custom hooks for modularity and scalability.
- Built **ERP** systems and web applications using **PHP** (MVC) and **MySQL**.
- Implemented modern frontends with **React** and **TypeScript**, leveraging **functional components** and **custom hooks**
- Implemented Cloud Functions in **Firebase** and **Google Cloud Platform (GCP)**.

Technologies: PHP, Laravel/MVC, MySQL, GCP, React, TypeScript, Node.js, HTML, CSS.

COURSES & CERTIFICATIONS

- **Promises JS Certificate** (November 17, 2022)
- **API React Certificate** (Daniel Ramos) (November 10, 2022)
- **PHP Certificate** (November 17, 2022)
- **TypeScript Certificate** (November 17, 2022)
- **Flutter & Dart Certificate** (December 4, 2023)
- **Intensive English Certificate** (April 30, 2022)
- **MongoDB & Node.js Certificate** (November 19, 2022)
- **Professional Next.js Certificate** (November 19, 2022)
- **PHP BDD & Yii Certificate** (November 19, 2022)
- **PHP Certificate** (May 12, 2022)
- **Professional Fullstack JS Certificate** (November 17, 2022)
- **Professional JS Certificate** (November 16, 2022)
- **Professional Technologist** (date as per original certificate)
- **React Pro Certificate** (November 17, 2022)
- **React Exercises Certificate** (November 16, 2022)

EDUCATION

- **Análisis y Desarrollo de Sistemas de información** | Jun 2021

TECHNICAL SKILLS

Backend Development

- Python & Python Framework (Django).
- API Development (REST, GraphQL).
- PHP & PHP Framework (Laravel).
- Node.js & Framework (Express.js, Nest.js)

Frontend Development

- React, Angular, Next.js, Vue.js.
- JavaScript, TypeScript, HTML, CSS.
- TailwindCSS, Bootstrap, Angular Material.

Databases

- SQL
- SQL Server, MySQL.

Cloud & DevOps

- AWS (EC2, S3, Glue)
- Azure (Azure DevOps, CI/CD pipelines)
- Git (version control and collaborative workflows)
- **GCP** (Google Cloud **Storage**)

Project Management & Methodologies

- Agile, Scrum, DevOps.

SOFT SKILLS

- **Adaptability and Continuous Learning:** Quickly acclimate to new technologies and frameworks, ensuring smooth project transitions and improvements.
- **Effective Communication:** Proficient in explaining complex concepts clearly to both technical and non-technical stakeholders, facilitating strong collaboration.
- **Team Collaboration:** Experience working with cross-functional and remote teams, providing leadership when necessary to drive projects forward.
- **Problem-Solving and Analysis:** Skilled at identifying root causes and proposing robust solutions under tight deadlines and evolving requirements.
- **Organization and Attention to Detail:** Capable of prioritizing tasks, managing multiple projects simultaneously, and delivering high-quality results on time.

LANGUAGES

- English – Professional .
- Spanish – Native Speaker.

