Kevin Fabio Ramos López

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Software Developer | Web developer | Problem-Solving | LLMs & AI Agents

Introduction

Systems and Computer Engineer with 2 years of experience in backend development, frontend contributions, and AI. Skilled in Python, Java, Go, SQL, and JavaScript, with hands-on experience in Django, Node.js, Strapi, and agile methodologies. Experienced in fine-tuning advanced LLMs, managing LLM-based agents, and leveraging tools such as Langchain, LlamaIndex, PyTorch, and Unsloth. Strong background in troubleshooting and resolving issues across frontend and backend environments, ensuring smooth integration and performance. Fast learner, adaptable, and solution-oriented, committed to building innovative projects that emphasize teamwork and continuous improvement.

Skills

- **Languages:** Python, Java, Golang, SQL (MySQL, PostgreSQL), JavaScript, TypeScript
- **Frameworks:** Django, Spring Boot, React, Node.js, Langchain, LlamaIndex
- **Databases:** MongoDB, Firebase, PostgreSQL, Elasticsearch
- **Tools:** Git, GitHub Actions, Docker, GCP
- **Methodologies:** Agile (Scrum), TDD

Education

- **Bachelor's Degree in Systems and Computer Engineering** (June 2025)
  - Universidad nacional de Colombia, Bogotá
  - Relevant coursework: Neural Networks, Machine Learning, Distributed Computing, ICT Governance, Software Engineering
  - GPA: 3.9/5.0

Experience

- **Software Developer | [LAB101](LAB101) | Bogotá, Colombia | 11/2023 – Present**
  - Contributed to a custom search plugin for Strapi integrated with Elasticsearch.
  - Assisted in containerizing backend microservices with Docker and GCP, improving deployment consistency.
  - Developed a Python-based scraper, reducing data migration time from two weeks to 39 minutes.

- Technologies: Strapi, Elasticsearch, Node.js, Python, PostgreSQL, Docker, GCP
- **Development Analyst | [Innovbo Group](#) | Bogotá, Colombia | 04/2024 – 08/2024**
  - Developed a Java microservice for transport load optimization using Firebase.
  - Applied JDBC for database interactions, ensuring reliable data access.
  - Implemented unit testing with JUnit, achieving high coverage and code quality.
  - Technologies: Java, Firebase, PostgreSQL, Git

Projects

Highlighted Projects

- **[Cerberus Chatbot](#)**
  A real-time chatbot developed for the Universidad Nacional de Colombia using Django, Django Channels, and Langchain. Provides interactive responses to university-related queries through a React-based web interface.
  - **Tech:** Python, Django, React, WebSockets, Langchain, Docker
  - [Demo](#)

- **[BullSolve: Mathematical Problem Solver](#)**
  An AI-powered system combining neural networks and LLaMA-3.1-8B to solve and explain mathematical problems with 85% accuracy in classification and step-by-step solutions.
  - **Tech:** Python, PyTorch, LLaMA, Neural Networks, NLP, Unsloth
  - [Model](#) • [Demo](#)

- **[Athenus: Intelligent Conversational Assistant](#)**
  A chatbot-like application with an Android frontend and Django backend, powered by Ollama and Mistral LLMs. Designed for intelligent, seamless, and engaging AI-driven conversations.
  - **Tech:** Android, Python, Django, Ollama, Mistral, LLMs

- **[HTML to JSON Blocks Library](#)**
  A Python library to convert HTML content into structured JSON blocks with modular design and custom image handling capabilities.
  - **Tech:** Python, HTML, JSON

Certifications

- [Learn Go Course (Boot.dev)](#) — Aug. 2025
- [Learn SQL Course (Boot.dev)](#) — Aug. 2025
- [Learn to Code in Python Course (Boot.dev)](#) — Aug. 2025

Languages

- **Spanish:** Native proficiency

- **English:** Professional working proficiency (B2)

Contact

If you're interested in collaborating or just want to say hi, I'd love to hear from you!

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