

# Rafael Arias Navarro

Full Stack Developer

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## 👤 PROFILE

Full Stack Developer with solid expertise across backend (Python, Flask) and frontend (React, JavaScript, HTML) technologies. Adept at building dynamic interfaces, maintaining backend logic, and integrating third-party systems. Passionate about user-centered design and scalable architecture.

## 🧠 SKILLS

Python • Flask • React.js • Javascript • TypeScript • HTML5 • Streamlit • CSS3 • Bootstrap • PostgreSQL • MySQL • Git • Rest APIs • SQL Alchemy • Web Scraping

## 📁 PROJECTS

### Bold Finance – Business Management System

- Continuously enhance and optimize a business management system for managing expenses, costs, and inventory.
- Refactor existing code and resolve bugs to improve system performance and maintainability.
- Document processes and provide suggestions for system improvements, contributing to a scalable and robust application architecture.

### AI SEO Automation Platform

- Designed tools to automate SEO processes (link juice distribution, content visibility) using Python, Django, Redis, and scraping logic.
- Applied clustering and NLP techniques to improve SERP performance.

### Healthcare Web Platform (IPS - Colombia)

- Managed backend logic with raw PHP for CRUD operations without frameworks.
- Ensured data integrity for beneficiaries, relatives, and alert systems.
- Improved maintainability of legacy systems through refactoring.

### TaskIt

- Full-featured web app for task bidding and payments.
- Built scalable backend services to manage a service marketplace.
- Integrated authentication systems for secure transactions.
- Managed both UI design and backend logic.

## 🎓 EDUCATION

Full Stack Software Developer, 4Geeks Academy

07/2023 – 05/2024 | Remote

Accountant, Universidad del Atlántico

2014 – 2022 | Barranquilla, Colombia

## 💼 PROFESSIONAL EXPERIENCE

### Full Stack Developer, DevLabs

01/2025 – 05/2025

- Contribute to the ongoing development of a business management system for handling expenses and costs across multiple branches.
- Collaborate with the team to identify and resolve bugs, ensuring high-quality performance and user satisfaction.
- Refactor existing code to improve maintainability and efficiency, implementing best practices for scalable applications.
- Maintain thorough documentation to promote understanding and adherence to best practices within the development team.

### Python AI Engineer, 4Geeks Academy

09/2024 – 11/2024

- Designed and optimized backend services for AI-powered automation.
- Integrated Django to enhance system performance and security.
- Implemented data processing pipelines for handling large-scale AI-driven tasks.
- Applied RAG techniques to improve chatbot responses and document retrieval accuracy.

### Freelance Developer (IPS Web Platform)

04/2025 – present

- Managed backend CRUD operations directly in PHP without a modern framework, ensuring secure and efficient database access.
- Updated and optimized existing code evolving user needs and data flows. Implemented front-end logic to synchronize with backend operations in the absence of APIs or endpoints.
- Refactored legacy code to improve maintainability and cross-module consistency across PHP layers.



## LANGUAGES

**Spanish**

Native

**English**

Fluent