

IAGO PIRES

Software Engineer

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Summary

Software engineer with 5+ years of experience building real-world systems across frontend and backend. Recently focused on **AI systems** in production, including agents, evaluation workflows, and integrations with external tools.

Worked on improving reliability and iteration of AI features by introducing lightweight evaluation and tracing, helping teams better understand model behavior in real scenarios. Part of the team at Datagrid AI during its acquisition by Procore, contributing to systems that operate at scale.

Comfortable working end-to-end with **TypeScript**, **Python**, and **React**, with a focus on building simple, reliable systems that are actually used in production.

Experience

Datagrid AI - Procore
Software Engineer

San Francisco, California
05/2025 - Present

- Built AI agents that execute workflows across external systems (Procore, SharePoint, Notion), moving beyond simple retrieval into real task automation
- Developed core infrastructure for tool orchestration and integrations, including authentication flows (OAuth), server registration, and request handling
- Introduced and contributed to evaluation and tracing workflows, helping the team better understand and iterate on AI behavior
- Shipped features across backend (Python/Node) and frontend (React/TypeScript), owning work end-to-end when needed
- Part of the team during the acquisition by Procore, scaling systems to operate with broader context and higher usage

MVST
FullStack Developer

Munich, Bavaria, Alemanha
06/2023 - 05/2025

- Architected and developed responsive web applications and React Native mobile app for patient-therapist interaction
- Akina Health (**€5M+ funded**): Web app and React Native app for patient-therapist flows; backend integrations (Node/TS).
- RedCare (Pharma): Careers and events sites with Next.js and TypeScript, using Storyblok; shipped from design to production in approximately 3 months with strong performance and SEO.
- Zurhost: Managed a high-traffic platform with **70K+ daily unique users**. Built a full-featured learning application with user authentication, course streaming, and progress tracking.
- Implemented comprehensive backend solutions using modern architecture patterns
- Collaborated with NVIDIA-backed healthcare startup to enhance platform functionality

Motorola Brasil
Research Intern - Artificial Intelligence in Software Testing

Manaus, Amazonas, Brasil
06/2023 - 06/2024

- Pioneered software testing automation using AI to replace manual verification in Android phone production
- Built a real-world RAG pipeline using open-source LLMs (LLAMA) and embedding search to automate Android device testing
- Developed prototype that utilized Android SDK with AI-driven testing protocols

Self
Freelance

Location
05/2022 - 06/2023

- Delivered React/Next.js products (crypto/metaverse SPA with advanced animations; inventory system on MERN).
- Implemented Serverless on AWS (Lambda) for cost-efficient scalability.

Education

University of Amazonas
Bachelor's, Computer Science

Location
03/2019 - 03/2024

SSLC Sprott Shaw Language College
Certificate of Completion, English as a Second Language

Location
2019

Languages

English Fluent ●●●●●

Portuguese Native ●●●●●

Skills

Languages

Python, TypeScript, JavaScript

Frameworks

React, Next.js, FastAPI

AI / LLM Systems

Generative AI, LLMs (GPT, Claude, LLaMA), AI Agents, RAG (Retrieval-Augmented Generation), Evaluation & Tracing, Prompt Engineering, Embeddings, Vector Search

Cloud & Infrastructure

AWS, Lambda, Kafka, Serverless, Docker, Distributed Systems

Backend & APIs

Node.js, REST APIs, API Integrations, Workflow Automation

Find me online

LinkedIn
<https://www.linkedin.com/in/iagopiresdev>

GitHub
<https://github.com/iagopiresdev>