TIAGO ALVES

Full-Stack & AI Engineer

@ tiago.falves.dev@gmail.com 📍 Remote 🔗 Website in Tiago Alves ⚙ tiago-falves

EXPERIENCE

Co-Founder & CTO
Kapisci

📅 Apr 2025 – Present 📍 San Francisco, CA

- Closed enterprise pharmaceutical clients including **Pfizer**, delivering AI-driven marketing analysis.
- Designed and built the Kapisci platform from the ground up, leading end-to-end architecture and implementation.
- Directed technical roadmap and engineering team, translating client requirements into production-ready features.
- **Tech Stack**: Python, Large Language Models (LLM), Full-Stack, OpenAI, DevOps, AWS, FastAPI, React, TypeScript Next.Js, MongoDB, RAG, Anthropic, LoRa Fine-Tuning, RFT, DPO, SFT.

Engineering Lead - Generative AI
GoGoGuest

📅 Apr 2023 – Apr 2025 📍 San Francisco, CA

- Led the backend integration of generative AI for dynamic image marketing solutions, enhancing brand engagement.
- Developed scalable Stable Diffusion and Large Language Models pipelines for automated image and text generation.
- Accelerated campaign creation and cut content production time by 80% for 150+ enterprise clients through AI adoption.
- **Tech Stack**: Python, Stable Diffusion, LLM, OpenAI, Pinecone, NLP, GCP, AWS, Django, FastAPI, JS, React, NextJs, NGINX, MongoDB, ComfyUI, RAG, Qdrant, GPT, PyTorch, TensorFlow, Anthropic, Web Crawling, Data Mining, LoRa Fine-Tuning.

Freelance Software Engineer
10xManagement , Switch , Upwork

📅 Jun 2021 – Present 📍 Remote

- Selected as a 10x Management freelancer, an elite network of top engineers working with leading startups and enterprises.
- Top Rated, 5-Star ML & Full-Stack Developer at Upwork.
- Developed production systems for clients like Standard, Mowie and Switch, specializing in Full-stack, AI and Python.

Machine Learning & Computer Vision Engineer
Fraunhofer AICOS

📅 Fev 2022 – Mar 2023 📍 Remote

- Enhanced Fraunhofer's cervical cancer detection algorithm using state-of-the-art Machine Learning techniques.
- Research Paper on "Cervical Cytology Imaging Generation with Latent Diffusion Models"
- **Tech Stack**: Python, Generative Machine Learning, TensorFlow, PyTorch, Computer Vision, Deep Learning, NLP, LLM

Head of Projects - Senior Developer
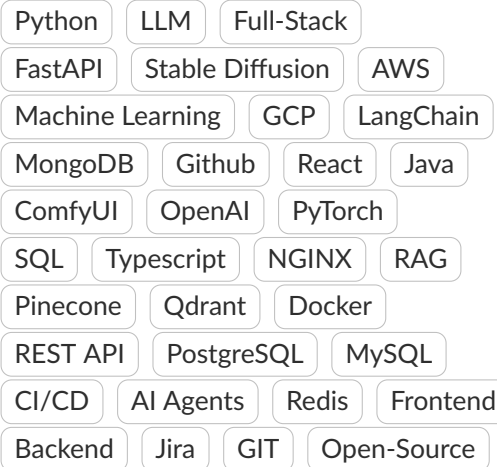**NIAEFEUP**

📅 Jul 2018 – Mar 2023 📍 Porto, PT

EDUCATION

Master's in Computing Engineering
Faculty of Engineering, University of Porto

TECHNICAL SKILLS

Python · LLM · Full-Stack · FastAPI · Stable Diffusion · AWS · Machine Learning · GCP · LangChain · MongoDB · Github · React · Java · ComfyUI · OpenAI · PyTorch · SQL · Typescript · NGINX · RAG · Pinecone · Qdrant · Docker · REST API · PostgreSQL · MySQL · CI/CD · AI Agents · Redis · Frontend · Backend · Jira · GIT · Open-Source

PROJECTS

Diffusion Models On Cancer Screening

- Enhanced Fraunhofer's cervical cancer detection algorithm by using Stable Diffusion.
- Research paper on "Cervical Cytology Imaging Generation with Latent Diffusion Models"
- **Tech Stack**: Python, Generative Machine Learning, TensorFlow, PyTorch, Computer Vision, Deep Learning, NLP, LLM

Switch

- Developed and deployed optimized solutions for socket-based client communication.
- Implemented Multi-Threading and enhanced concurrency, performance, and system robustness.
- **Tech Stack**: Python, Django, Docker, Sockets, Microservices

UNI - Flutter App

- Led the development of the **UNI** mobile application, serving as the Project Director.
- Successfully scaled the app which now serves over 10,000 students.

Unity Reinforcement Learning

- Designed a Unity app to solve the popular puzzle "Folding Blocks" using ML.
- **Tech Stack**: C#,ml-agents,Unity

LANGUAGES

Portuguese ●●●●●
English (CAE) ●●●●●
Spanish ●●●●○