

# LEONARDO SANTOS

6+ years as a Full-Stack Software Engineer



LINKEDIN

MY PORTFOLIO

✉ ferreirasantos.leonard@gmail.com

☎ +55 (32) 98512-9223



## Lead Software Engineer

Diveroli Investment Group – *Financial Market* | Miami, United States | remote (asynchronous)

Jun 2025 – present

- Built an AI-powered, end-to-end Due Diligence automation system (background checks, deep-web searches, multi-source aggregation), reducing processing time from 1 day to 4 minutes and cutting costs by 83%.
- Launched a modern company website and a robust, secure, and scalable back-end with financial API integrations, social-media sentiment analysis, and news scraping, driving a 12% increase in revenue.
- Developed a Python-based AI production service using OpenAI for document summarization, decision support, and automated PDF scraping and audio transcription.
- Executed full cloud migration, deployed Google Workspace, provisioned and secured VPS infrastructure, maintained site content/features, and handled domain analysis and branding assets.

React | React Native | Python | Angular | Node.js | TypeScript | MySQL | SEO | Analytics / GA4 | UI/UX Design



## Senior Full-Stack Software Engineer

Instituto Aqualie – *Environment Market* | Juiz de Fora, Brazil | on-site (synchronous)

Feb 2024 – Aug 2025

- Led the development of an advanced GIS platform for real-time environmental analysis. Adopted by scientists and policymakers, it was recognized as revolutionary by IBAMA; delivered over a year ahead of schedule.
- Created a pioneering system to assess human impact on whales and dolphins, increasing company revenue by 11.32%, and with potential influence on government policy and maritime route planning.
- Built a real-time data transmission system that sped up scientific operations, cutting 30+ days of data processing.
- Integrated a machine-learning model into a web app to automate dolphin species classification, reducing manual work from 12+ days to 10 minutes, and raising user conversion rates to nearly 90%.
- Architected and implemented a high-performance REST API, a relational database, and a complete CMS – including their designs. Also optimized large geospatial datasets, used feedback loops, KPI updates, and A/B tests.

Angular | React | Node.js | TypeScript | Python | MySQL / PostgreSQL / Supabase | SEO | UI/UX Design | Figma



## Full-Stack Developer

PACT – *Recycling Market* | Évora, Portugal | remote (asynchronous)  
Mar 2022 – Feb 2024

- Developed a mobile app (including the design) for a startup with secure payments, supermarket receipt scanning, recycling incentive features, and personalized user dashboards. Also designed and built the entire back-end, database, recycling-station, and internal admin platform, meeting 100% of KPIs.
- Created comprehensive and clear technical documentation for stakeholders and a conversion funnel strategy.

Angular | Node.js | JWT / OAuth / Cryptography | MySQL | SEO | UI/UX Design



## Product Manager

Demola – *Education Market* | Portalegre, Portugal | hybrid (asynchronous and synchronous)  
Sep 2022 – Feb 2023

- Managed a 6-month interdisciplinary project to create a big-data credibility analysis product, delivering research that showed a 30% reduction in misinformation and monetization paths.



## Front-End Developer

ATAALO – *Tourism Market* | Rzeszow, Poland | remote (asynchronous)  
Feb 2020 – Jun 2021

- Developed the website and visual identity for a tourism startup, contributing to 3 international awards and increased growth and market visibility.

HTML | CSS | Adobe XD | Prototyping | Mockups | Wireframes | Analytics / GA4 | WordPress | Scrum



## Software Engineering Intern

Higher School of Technology and Management | Portalegre, Portugal | on-site (synchronous)  
Oct 2019 – Jun 2020

- Built a Tic-tac-toe game, a soccer management system, a family expense management application, and implemented AI algorithms to calculate the best route between cities and solve puzzles.

Java | C | Lisp

## EDUCATION



## Software Engineering Degree

Polytechnic Institute of Portalegre | Portalegre, Portugal  
Out 2018 – Nov 2023

40+ certifications with 1000+ hours in:

JavaScript | TypeScript | Angular | React | React Native  
Node.js | UX/UI Designer | PHP | SQL | Git | Bootstrap  
HTML | CSS | SEO | Marketing | Management | IT | Java