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Top Skills

AI Agents
Artificial Intelligence (AI)
Agentic AI Development

Languages

Inglês (Full Professional)
Espanhol (Limited Working)
Português (Native or Bilingual)

Certifications

Certificate in Advanced English
Oracle Certified Professional, Java
SE 8 Programmer
Microsoft Certified: Azure AI
Engineer Associate

Honors-Awards

Make or Break

Publications

Face Detection in Thermal Images
with YOLOv3

Gustavo Silva

Software Engineer
Maia, Porto, Portugal

Summary

Software engineer who builds and operates production-grade systems inside large enterprise programmes, with AI at the core of what I ship. My work sits at the intersection of software architecture and AI engineering. I design agentic systems: discovery engines, orchestration pipelines, and AI tooling that integrates into existing engineering workflows at scale. I'm also experienced in automated data extraction and web scraping pipelines built to feed AI systems. I'm embedded inside client teams as a technical counterpart, not an advisor. In the past, at Replai, I joined a video intelligence startup at MVP stage, helping grow it through \$8M in total funding across multiple rounds. As Tech Lead I managed a team of 6 direct reports, covering hiring, technical direction, and day-to-day delivery. I do security research on the side. I've found and disclosed vulnerabilities in real systems, including two CVEs, with findings presented at 0xOPOSEC and SINF'2019. You're welcome to read my blog at www.gustavosilva.me/blog.

Experience

supermodular.ai
Senior Forward Deployed Engineer
February 2026 - Present (7 months)

supermodular.ai embeds inside enterprise engineering organizations as technical counterparts, not advisors. We build, we operate, we move things forward.

What I build here:

- Agentic pipelines that orchestrate asset discovery, classification, and automated decision-making at scale
- Production-grade AI tooling with audit trails, not prototypes
- UI integration for AI agent workflows used directly by client engineers

Coherent Paradox

Founder & Software Engineer

October 2023 - Present (2 years 11 months)

Built and shipped independent products and data tooling:

- Apify Actors: paid web scraping actors used by 300+ monthly active users, all with top ratings. Featured creator on the Apify platform. apify.com/silva95gustavo
- certidoes.ai: SaaS that extracts and interprets data from Portuguese company and property registries, processing thousands of requests per month and saving clients hours of manual work.
- Imold: platform that enables users to identify property owners in Portugal by address.

Perk

Senior Software Engineer

January 2024 - February 2026 (2 years 2 months)

Replai

3 years 8 months

Tech Lead

August 2021 - November 2023 (2 years 4 months)

- Spearheaded initial product architecture and development to secure two funding rounds totaling \$8M, then hired team members and trained them as the company grew from 2 to ~20 engineers.
- Managed 6 engineers as Tech Lead - providing technical direction as well as career mentoring and performance management.
- Engaged actively in product discussions and requirement analysis, assisting in key decision-making processes.

Senior Software Engineer

April 2020 - November 2023 (3 years 8 months)

- Co-developed an MVP for Replai's video intelligence platform as one of two engineers within a two-week timeframe. Played an ongoing role in refining and expanding the product to its current state.
- Showcased versatility across diverse roles, including frontend, backend, devops, using a tech stack that comprises Postgres, React, Typescript, Node.js and AWS.

Feedzai

Software Engineer

August 2018 - April 2020 (1 year 9 months)

Porto

- Helped achieve customer success adapting the company's product to the necessities of each client.
- Direct contact with international financial client institutions, including on-site meetings.
- Main activities: Java development, requirements discussion, technical design, technical leadership, DevOps and client support.

Bosch

Software Engineering Intern
February 2018 - July 2018 (6 months)
Braga e Região, Portugal

Worked on my master's thesis under the topic "Thermal imaging for vehicle occupant monitoring".

Published conference paper "Face Detection in Thermal Images with YOLOv3" at the International Symposium on Visual Computing 2019.

Armis Group

Software Engineering Intern
July 2017 - August 2017 (2 months)
Porto, Portugal

- Worked on a map visualization module for an internal product, gaining experience with technologies such as Angular, ASP.NET and PostGIS.
- Developed a business intelligence solution for the same product using SQL Server, SSIS, SSAS and Power BI. Built a Data Warehouse and created ETL processes for keeping multidimensional cubes up-to-date.

Faculty of Engineering, University of Porto

Teaching Assistant
February 2016 - May 2017 (1 year 4 months)

Assisted the professors of the following courses, helping students by answering their questions and monitoring their progress:

- Programming (Feb - May 2017) - transmits knowledge on procedural and object oriented programming techniques, giving the ability of applying those programming paradigms to develop programs using C++.
- Graphical Applications Laboratory (Oct - Dec 2016) - focused in the development of practical works, namely in the areas of Computer Graphics and Interfaces, Logic Programming and Operating Systems.

- Computer Graphics (Feb - Jun 2016) - aims to transmit knowledge of concepts, techniques, algorithms, computer graphics technologies and architectures.

Education

Faculdade de Engenharia da Universidade do Porto
BSc (3 years) + MSc (2 years), Informatics and Computing
Engineering · (2013 - 2018)

Facultat d'Informàtica de Barcelona
· (2017 - 2018)

Escola Secundária da Maia
12º ano, Ciências e Tecnologias · (2007 - 2013)