

PROFILE

Systems-minded software engineer in Barcelona, finishing Computer Science / Software Engineering at UOC with Machine Learning and Artificial Intelligence specialization.

Current public work spans Agentic-CareerBoost, P3CTeX, AAAAT, and older Java/Spring backend work. The common thread is building tools and systems that combine implementation, automation, documentation, and maintainability.

BEFORE ENGINEERING

15 years in banking and insurance operations, plus formal arts/design training at Escola Massana, Barcelona.

Team leadership, case triage, regulated processes, customer-facing problem resolution and stakeholder communication.

Useful transfer: regulated-domain maturity, pressure, procedures, data quality, audit habits and responsibility for operational outcomes.

TECHNICAL MAP

- Backend / systems
- Java, Spring Boot, REST APIs, SQL, Linux, Git.
- AI / data
- Python, ML/AI coursework, LLM workflows, model behavior, inference basics, data quality.
- Tooling / documents
- LaTeX, static sites, GitHub Actions, technical reports, local scripts.
- Work style
- Small scopes, explicit interfaces, reproducible builds, technical documentation, and iterative debugging.

ROLE DIRECTION

AI workflow tooling

Applied AI / ML

Backend / Platform

Technical Tooling

Document Systems

MAIN LINKS

github.com/DidacLL

linkedin.com/in/didacллоrens

Personal website

Current direction

I build practical software and documentation systems where implementation, automation, data, and maintainability need to work together. My current public work combines AI workflow systems, LaTeX/report tooling, static publishing, local-first career tooling, backend foundations, and regulated-domain experience from banking and insurance.

Selected work

AgenticCareerBoost

career tooling · static site · reports · automation

Personal career engineering workspace that combines a static portfolio, structured project data, LaTeX reports, CV tooling, application-tracking experiments, and GitHub-based automation. It serves as a concrete testbed for integrating AI-assisted workflows with ordinary software, files, scripts, CI, and public documentation.

Repository · Public site

P3CTeX

LaTeXtooling · academic documents

Custom LaTeX class and package ecosystem for repeatable academic and technical documents. Standardizes document structure, reusable commands, screenshots, listings, styling, and local build scripts across coursework deliverables.

Repository

AAAAT

local-first job-search tooling

Separate application-tracking project derived from earlier ACB tooling, focused on local storage, structured opportunity data, recruiter context, reusable profile material, and generated application artifacts.

Repository

IronBank

Java · Spring Boot · backend

Older Java/Spring Boot banking simulation from IronHack. Connects banking-domain experience with REST APIs, service boundaries, persistence, and data-oriented application design.

Repository

- Engineering fit
- Turns ambiguous technical work into concrete repositories, scripts, APIs, documents, and deployable/static artifacts.
 - Works comfortably across backend logic, automation, structured data, build systems, documentation, and interface-level details.
 - Brings 15 years of operational experience from banking and insurance: pressure, procedures, customer impact, data quality, and regulated environments.
 - Adds Escola Massana arts/design training: composition, craft, taste, and creative judgment for technical artifacts.

Education	
Universitat Oberta de Catalunya	Computer Science / Software Engineering degree, Machine Learning and Artificial Intelligence specialization. Core university programming developed extensively in C, including algorithms, data structures, pointers and memory concepts. Expected graduation: February 2027.
IronHack	Java Backend Development bootcamp including intensive production-level training. Capstone: IronBank microservices banking simulation.
Fundación Francisco Puerto Barcelona ITAcademy PUE	Advanced Android application development with Kotlin. FullStack React.
Escola Massana	Linux administration – Consorci per a la Formació Continua de Catalunya. Técnico Superior en Artes Plásticas y Diseño. Formal arts/design training in Barcelona.

- Role angles
- AI workflows

LLM-driven workflows, tool integration, structured outputs, automation, and software around model-facing tasks.
- Applied AI / ML

ML/AI specialization, Python, SQL, data quality, technical reporting, and regulated-domain context.
- Backend /

Java, Spring Boot, REST APIs, SQL, Git, Linux, Python, SQLite,