

Marcel Claramunt — CV

AI & Full-Stack Engineer [\[LinkedIn\]](#) [\[GitHub\]](#) [\[Website\]](#) [\[Email\]](#)

Professional Summary

Driven engineer with experience building end-to-end deep learning pipelines and full-stack web applications. As a solo founder, developed and deployed an AI-powered service used across multiple countries, gaining expertise in DevOps and direct sales.

Proficient in Python for machine learning, computer vision, and backend development, with experience in React and cloud infrastructure. Seeking to join a collaborative team where I can continue to grow and contribute to impactful projects.

Key Skills & Technologies

Proficient In

- **Languages:** Python, TypeScript
- **Machine Learning:** PyTorch, TensorFlow, OpenCV (with a focus on computer vision and a strong mathematical foundation)
- **Backend:** Python (FastAPI), SQLAlchemy, raw SQL, Azure Functions, Azure Web Services
- **Frontend:** React, Vite (SPA), NextJS, ChakraUI, Framer Motion
- **DevOps:** Docker, Azure Blob Storage, Azure Cosmos DB, Azure PostgreSQL
- **Version Control:** git, GitHub, DockerHub

Additional Experience

- **Sales & Customer Support:** cold outreach, maintaining client relationships, gathering feedback, and implementing feature requests
- **Sysadmin:** bash scripting, cron jobs, service management
- **Other Technologies:** Android (Kotlin Jetpack), C, Rust, Haskell, Java

Professional Experience

Solo Founder, **Moveread** (2023 — Present)

- Developed **Moveread**, an AI-powered service for digitizing chess scoresheets, successfully used in over 15 tournaments across Spain, France, and Germany.
- Created an end-to-end deep learning pipeline consisting of three custom models, that achieves human-level accuracy with minimal manual supervision.
- Deployed full solution, including a landing page (NextJS), webapp (React SPA), android app (Java + CapacitorJS), back-end (Python FastAPI + Docker hosted on Azure Web Services, Blob Storage and PostgreSQL) and a pipeline service (Python + TensorFlow Serving + Docker Compose).
- Sold the service through cold outreach and maintained client relationships, saving each tournament an average of 50 hours of manual input work.

Independent Open-Source Projects (2023 — Present)

- **Haskellian**: a Python functional programming library, providing ergonomic functional data structures and operations [[repo](#)]
- **KV**: an async key-value interface for Python, with implementations for SQL, Redis, Azure Blob, Cosmos DB, the file system, and more [[repo](#)]
- **React Chakra**: a collection of animated and user-input components using Chakra UI and Framer Motion [[link to live demo](#), [repo](#)]
- **React Image Manipulation**: perspective cropper and grid selector components, plus OpenCV Web Workers to perspective-correct images in the browser without dropping a frame [[link to live demo](#), [repo](#)]
- **Cit**: a developer productivity bash CLI tool, providing a centralized way to scaffold projects, open repositories, run services, and more [[repo](#)]

Plus some more open-source contributions and projects on my [GitHub profile](#)

Education

BS in Computer Science

- Faculty of Informatics, Polytechnical University of Catalonia (UPC)
- 2020 — Present (Expected graduation: 2025)
- GPA: **9.01/10** overall and **9.7/10** in the initial phase [[Academic record](#)]

Languages

- Catalan & Spanish: Native
- English: Fluent, especially written
- French: B2 intermediate [[DELFL certificate](#)]