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 muliple 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, Tailwind
- **DevOps:** Docker, Kubernetes, 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 Languages:** C, Rust, Go, Java, Haskell, Android (Kotlin Jetpack)
- **Other Technologies:** ZeroMQ, Kafka, Azure Durable Functions, AWS S3 and Lambdas

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, Germany and Brazil.
- 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 Serivces, 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 functional programming library [repo, docs]
- **Pipeteer:** a simple and explicit durable execution framework [repo, docs]
- **Cit:** a developer productivity bash CLI tool, providing a centralized way to scaffold projects, open repositories, run services, and more [repo, docs]
- **KV:** an async key-value interface for Python, with implementations for SQL, Redis, Azure Blob, Cosmos DB, the file system, and more [repo, docs]

Plus many more open-source contributions and projects on my GitHub profile

Education

BS in Computer Science

- Faculty of Informatics, Polytechnical University of Catalonia (UPC)
- 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 [DELF certificate]