Francesco Ciannavei

Full Stack Developer

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SUMMARY

I'm **23 years old**, with over **6 years of experience**, and I'm a **full-stack developer** with a **backend** focus: I mainly work with **PHP**.

I'm primarily **self-taught**: I learned by building real projects and maintaining production code. Today I use **PHP 8** (CodeIgniter/Laravel), relational databases, and when needed, **React** for UI.

I also have **sysadmin experience** and **manage a small home server infrastructure** (Linux, Docker, backup/monitoring) for experimentation and automation.

I'm **curious** and experiment with new technologies pragmatically to deliver value, performance, and maintainability; currently I'm interested in **Go**, **machine learning**, and **LLMs**.

EXPERIENCE

Backend Developer

HSPI

📅 10/2025 – Present   📍 Rome, Italy

HSPI S.p.A. is a consulting company specialized in **IT governance** and **project management** for large enterprises. In this context, I worked as a **backend developer** on the **PMMS Project (Project Monitoring Management System)** for the client **Poste Italiane**, contributing to the development and evolution of an internal platform for monitoring and governing corporate projects.

- **Development and evolutionary maintenance** on the PMMS system, an enterprise project management and initiative monitoring platform for Poste Italiane.
- Contributed to the **digitalization of project governance processes**, initiative portfolio management, and **internal authorization workflows**.
- **Collaboration with multidisciplinary teams** for requirements analysis, anomaly resolution, and **continuous improvement of system functionalities**.

Full Stack Developer

Servizi Tecnologici Carlo Colombo

📅 10/2024 – 09/2025   📍 Rome, Italy

Servizi Tecnologici Carlo Colombo is a company that provides IT solutions to the Chamber of Deputies and the Senate of the Italian Republic. In this context, I worked as a full stack developer, mainly focusing on backend.

- I contributed to the development and maintenance of **software used for drafting and managing legislative texts** for **parliamentary institutions**.
- I updated the technical infrastructure by migrating from CodeIgniter 3 to 4 and upgrading from PHP 5 to 8.
- I contributed to developing new features on a React interface, integrated into the internal management system.
- I built a **Retrieval Augmented Generation** system, integrating **Large Language Models** via Python API, with PostgreSQL database and CodeIgniter 4 frontend.

SKILLS

PHP - Composer   CodeIgniter

Laravel   Magento   WordPress

SQL

JavaScript   jQuery   React

Node.js – NPM

Python   Go   Git   Docker

Apache   Linux   Bash

CSS - SCSS - LESS

LANGUAGES

Italian
Native   ● ● ● ● ●

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English
C1   ● ● ● ● ○

CERTIFICATES

🛢 **OCI MySQL HeatWave**
Oracle
Oct 31, 2025
Certification validating the ability to provision, configure, and administer **MySQL HeatWave** for transactional, analytical, machine learning, and Lakehouse workloads.

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🧠 **OCI Foundations Associate**
Oracle
Sep 15, 2025
Foundational certification in **AI** and **ML** concepts, **generative AI**, **large language models**, and the practical use of **OCI AI services** to solve real-world business problems.

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</> **Full Stack Web Developer**
Boolean
May 1, 2022
Intensive 6-month full-time bootcamp **(700+ hours)** in back-end web development, building responsive web apps.

EXPERIENCE

Full Stack Web Developer

TUN2U

📅 08/2022 – 09/2024   📍 Rome, Italy

TUN2U is a digital agency specialized in ecommerce solution development. I worked as a **full stack developer** on projects for clients of various sizes, from small businesses to large companies like **Ayvens**, **Buffetti**, **Safilo**, and **Fastweb**.

- I worked with PHP, JavaScript, jQuery, Magento 2, WordPress, PrestaShop, and Shopify.
- I handled backend development (integrations, custom features, optimization) and frontend (themes, interfaces, UX).
- I participated in development teams of over 10 people, collaborating on project management and coordinated technical problem-solving.
- I followed the entire project lifecycle, from development to post-launch maintenance.
- I used tools like **Git**, **Jira**, and **Slack** for code management, activity tracking, and team communication.

Full-Stack Bootcamp (6 months, full-time)

Boolean

📅 02/2022 – 07/2022

I attended a 6-month intensive full-time course focused on full stack web development.

- I studied technologies like **HTML**, **CSS**, **JavaScript**, **PHP**, **Laravel**, **Vue.js**, and **SQL**, developing complete projects both individually and in groups.
- I learned to use tools like **Git** and **GitHub**, working with workflows close to real-world scenarios.
- The course allowed me to consolidate programming fundamentals and approach problems in a more structured and practical way.

Self-Taught Learning

📅 10/2019 – Present

I got into computer science during high school, where I studied **Java** and developed an interest in programming. Alongside school lessons, I started studying independently, working on small personal projects with **Node.js** and the **Discord API**.

Since then, I've continued to deepen my knowledge of languages like **JavaScript**, **Python**, **Golang**, and data management systems like **PostgreSQL** and **MySQL**.

I still dedicate part of my free time to studying and experimenting with new technologies, with the goal of continuously improving my technical skills and problem-solving abilities.
Currently, I'm working on building a **home infrastructure** for running and integrating **artificial intelligence models**, with attention to hardware optimization and autonomous load management. I have my own **small home server room**, where I put into practice the concepts I learn, testing configurations, environments, and tools in real-world contexts.

PROJECTS

Local RAG Example
Minimal guide to a local **Retrieval-Augmented Generation** system, with a **Go** implementation integrating **PostgreSQL (pgvector)** and **Ollama** for **vector indexing** and semantic document search.

This resume!
This PDF is dynamically generated using the **PDFMake** library with **Node.js**.

STRENGTHS

Team work experience
Experience working in **teams of at least 10 developers**.

Interest in complexity
I enjoy **complex technical problems** that require reasoning, analysis, and custom solutions.

Experience on real projects
I have worked in structured environments contributing to real projects in corporate and institutional settings.

Adaptability
I'm used to moving between different languages, frameworks, and environments.

INTERESTS

Computer Science
I enjoy designing practical solutions to technical and logical problems, tackling complex challenges through personal projects. I manage a **home server room** as a test environment for distributed infrastructures and **artificial intelligence** applications, where I **run the software I develop** and verify it in real-world scenarios.

3D Modeling/Printing
I'm passionate about 3D printing, especially the model design phase. I'm a strong supporter of **open source software** and, when possible, I share the 3D models I create online to make them available to others.