PIERGIUSEPPE D'ABBRACCIO

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PROFILE

Computer engineer, backend developer since 2020. I work in Python, Django and Postgres at Fiscozen, maintain tinyjobs and founded two SaaS products.

EXPERIENCE

Fiscozen

Senior Software Engineer · Mar 2026 – present
Software Engineer · Dec 2023 – Mar 2026

Fiscozen handles taxes for Italian freelancers. I work on the backend in the Library squad, which does not build the product but the technology the product squads then integrate. It is the backend of the backend. Based in Milan, I work remotely.
– Authentication and the permission system.
– Change data capture with Debezium and Kafka.
– Scalable scraping infrastructure.
– Integrations with third-party software that has no API, to automate operational flows.

KPI6

Back End Developer · Sep 2022 – Dec 2023

KPI6 is a consumer intelligence platform that starts from topics and queries and collects and analyses social posts, reviews and other public content to find the trends. I worked on the backend. That is where the idea for boolean-query-parser came from, which I wrote later, on my own. A first pass over the texts with a boolean query saves sending all of them to an LLM. Based in Reggio Emilia, I worked remotely.

stack: Node.js, JavaScript, NoSQL, AWS, Linux

Bit4id

Software Developer · Jan 2020 – Sep 2022

Bit4id works on digital identity and electronic signatures. I worked in VID, an internal startup that moved to the cloud a technology that until then was tied to hardware. These were onboarding systems with several kinds of user recognition, built to issue a digital identity certificate. Naples.

stack: SQL, MySQL, Linux, AWS

OPEN SOURCE

tinyjobs github.com/Piergiuseppe/tinyjobs

Background jobs and cron for Python, on SQLite with nothing to install, or on Postgres or Redis with the same code. It is the worker that Django 6's django.tasks ships without, and in FastAPI it runs inside the server process.

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2026-11-17 Python Bytes #505, opening item, “a SQLite job queue goes free-threaded”
2026-11-24 DEV, Top 7 Featured Posts of the Week, picked by the editors
2026-11-18 The article “How a job queue fits in one SQLite file”
benchmark  10 hours, 1 SQLite file, 3 workers, 897,300 jobs, 29 SIGKILLs, 0 lost
audit      Free-threaded Python, 4 races the GIL had been hiding, fixed
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boolean-query-parser github.com/Piergiuseppe/boolean-query-parser

Boolean queries over text and records with AND, OR, NOT, wildcards, regex and comparisons on the numbers, dates, durations and sizes found in the text. Zero dependencies, a grep-like CLI, and it runs in the browser through WebAssembly.

WiFi Profili github.com/Piergiuseppe/ssid-network-profiles

A macOS menu bar app that applies a static IP, router and DNS according to the Wi-Fi network you are on. It is an app and not a script because macOS no longer lets scripts read the network name.

Django #16603 github.com/django/django/pull/22207

An ORM ticket open for 15 years, where filter() after an aggregation adds duplicate joins. The patch is in review, not merged.

PRODUCTS

EasyCondo easycondo.it

Founder

Web software for Italian condominium administrators. It imports supplier invoices from the national e-invoicing XML files, computes withholding taxes and generates the F24 tax forms, splits expenses by ownership shares and runs assemblies from the notice to the minutes.

DataPDFEngine datapdfengine.com

Founder, since 2025

One request in which a client fills your PDF form on their phone, attaches documents, gives consent and signs, without creating an account. Forms can also be filled in bulk from Excel or through the API, with a webhook when the request completes. eIDAS simple electronic signature, with an audit log.

EDUCATION

Ingegneria Informatica

Master's degree in Computer Engineering. Currently taking the Italian state exam to qualify as a licensed engineer.

SKILLS

Python, Django, FastAPI, asyncio. PostgreSQL, SQLite, Redis, MySQL. Kafka and Debezium for change data capture. JavaScript, Node.js and React when a product needs a front end. Swift for one menu bar app. Linux, AWS, Git, CI.

LANGUAGES

Italian (native), English (professional).
