

MICHELE PARENTI

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EXPERIENCE

Technician, Solution Cyber & Tech Risk Sep 2026 – Present
KPMG S.p.A. Milan, Italy

- Perform ICT assessments for financial-sector clients, collecting and reviewing control evidence.
- Automate recurring evidence-processing workflows in Excel and Outlook with Python scripts.

Full-Stack Developer (PCTO) Jan 2025 – Jan 2026
Dalai Zuin, IT Freelancer Italy

- Built **Cryon**, an AI-driven tool that writes post copy and hashtags, publishes to multiple social networks at once and analyzes their metrics, saving about 3 hours of manual work per day.
- Designed the backend on Prisma, PostgreSQL and Cloudflare R2, with model routing via OpenRouter.

Software Developer (PCTO) Nov 2024 – Dec 2024
Travelling Languages Dublin, Ireland

- Reverse-engineered a customized YetiForce CRM API whose Swagger docs were often wrong, inferring real behavior through iterative test requests, and built a Python client later used in production.
- Set up a local VM running Coolify for a Python backend and Next.js frontend, with CI/CD from GitHub.

PROJECTS

N2BankCore | *Java 25, PostgreSQL 17, Redis* [GitHub](#)

- Built a double-entry accounting library: balanced journal entries, money as **BigDecimal** plus currency.
- Enforced an append-only journal with PostgreSQL triggers; added a best-effort Redis balance cache.
- Wrote 72 JUnit tests, including integration tests on a real PostgreSQL 17 container (Testcontainers), run in CI.

Momento | *TypeScript, Cloudflare Workers* [GitHub](#) | [Live demo](#)

- Built a timestamping API for SHA-256 hashes with signed, offline-verifiable receipts (NIST ML-DSA-65).
- Built a CLI, Git hooks and a GitHub Action, with 25 automated tests, OpenAPI docs and CI.

opencode-evict | *TypeScript, Bun, npm* [GitHub](#) | [npm](#)

- Published a CLI that refreshes OpenCode's model cache from live provider APIs and models.dev.

BancarioFaccia Protocol | *Java, TCP, TLS 1.3; school project* [GitHub](#)

- Designed a binary TCP banking protocol: 8-byte header, 28-byte auth block, 64-byte Ed25519 signature.
- Added a server-issued nonce and per-message sequence numbers to the signed block; server-side replay checks are not yet enforced.

EDUCATION

I.T.I.S. Magistri Cumacini Como, Italy
Diploma di Perito Informatico (Computer Science), 87/100 2026

Self-study, uncertified: CS50 Introduction to Computer Science (Harvard, edX online course) 2023

TECHNICAL SKILLS

Programming: TypeScript, JavaScript, Java, Python, SQL; also PHP, C
Backend & Data: REST APIs, Next.js, PostgreSQL, Prisma, Redis
Cryptography: TLS 1.3, Ed25519, ML-DSA-65, message signing
Tools: Git, GitHub Actions, CI/CD, Coolify, Cloudflare Workers, Bun, npm
Spoken languages: Italian (native), English (C1, daily use)