

LORENZO MARCHISIO

Full-Stack Software Engineer · Backend-focused, .NET

Leuven, Belgium · EU citizen · Open to hybrid or remote
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SUMMARY

Full-stack software engineer, backend-focused on C# and .NET, with over two years building a multi-tenant ERP and e-invoicing platform used by ~200 Italian companies. Designed and led the modular .NET 8 API replacing its legacy core: clean architecture, CQRS, GraphQL and REST over PostgreSQL, with Roslyn source generators that cut new-entity code from 10+ files to ~4. Oracle Cloud certified. Working alongside a Computer Engineering degree at Politecnico di Torino. Based in Leuven, EU citizen, open to hybrid or remote roles.

How I work: leave it legible. The API ships with architecture docs and code generators, so the next developer can extend it without me in the room.

EXPERIENCE

Leonardo Web S.r.l.	Piedmont, Italy · Remote
Full-Stack Software Engineer	Feb 2025 - Sep 2026
Software Engineering Intern	Jul 2024 - Jan 2025

Part-time during term (20 h/week), full-time in summers, alongside the degree.

- Designed ~90% of the architecture and led development of the modular .NET 8 API replacing the legacy ASP.NET backend of a multi-tenant ERP and e-invoicing platform used by ~200 Italian companies. Live in production, serving authentication (Argon2id password hashing) and the full accounting module; all entities move over by end of 2026.
- Built database-per-customer multi-tenancy behind a YARP gateway that routes each request by JWT claim to per-customer hosts, so customer-specific features (7 customization modules) ship without redeploying the shared API.
- Wrote 12 Roslyn source generators (command handlers, validators, GraphQL queries, HotChocolate filter and sort types) plus analyzers and code fixes that enforce the architecture, cutting a new entity from 10+ hand-written files to ~4.
- Hardened the PostgreSQL schema (missing primary keys, foreign keys and indexes) across ~200 customer databases, with middleware that migrates each customer's database on its first request.
- Built Blazor templates for export prints and an observability dashboard for the API.
- Onboarded and mentored new developers as the team grew from 2 to 5: assigned tasks, paired on the codebase, and wrote the architecture documentation new hires start from; built the API's xUnit test suite for handover.
- Handled production support (tickets, bug fixes, customer calls) under ISO 9001 and ISO 27001 procedures.

Maggioli S.p.A.	Italy
Software Development Intern	2023

- One-month school work placement (PCTO): shipped fixes and features across frontend and backend.

Software Development Intern	2022
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- One-month school work placement (PCTO): built a log aggregator for all company projects and a metrics system, mostly backend with some frontend.

PROJECTS

lorenzomarchisio.me · Personal website	Mar 2025 - Present
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- Astro site on Cloudflare Pages with a server-side contact API (Resend, per-IP rate limiting, honeypot) and an automated photo pipeline: Swift watermarking, WebP encoding, EXIF and GPS stripping, thumbnails. CI/CD with GitHub Actions.

Multi-account email client · Diploma project	2024
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- Flutter mobile app and Angular + Tauri desktop app, with all mail logic (IMAP/SMTP send and receive) written in Rust. OAuth sign-in; Gmail, iCloud and custom IMAP/SMTP accounts.

■ SKILLS

Backend: C#, .NET 8, ASP.NET Core, EF Core, SQL, PostgreSQL, clean architecture, CQRS (MediatR), multi-tenancy, YARP, Roslyn source generators, GraphQL (HotChocolate), REST/OpenAPI

Web and mobile: TypeScript, JavaScript, Angular, React, Astro, Blazor, Tailwind CSS, Bootstrap, shadcn/ui, Flutter

Cloud and DevOps: Docker, GitHub Actions, Cloudflare, Linux, Git, Oracle Cloud (certified) · **Testing:** xUnit, Playwright

AI-assisted development: Claude Code, OpenAI Codex for research, documentation and automating repetitive work

■ EDUCATION

BSc Computer Engineering · Politecnico di Torino

2024 – 2028 (expected)

IT Diploma · IIS G. Vallauri, Fossano · 86/100

2019 – 2024

■ CERTIFICATIONS

Oracle Cloud Infrastructure 2025 Certified Architect Associate · Oracle · Sep 2025

Oracle Cloud Infrastructure 2025 Certified Foundations Associate · Oracle · Sep 2025

Cambridge B2 First · Cambridge English · 2024

■ LANGUAGES

Italian: native · **English:** fluent, full professional proficiency (Cambridge B2 First)

■ ACHIEVEMENTS AND VOLUNTEERING

Gara Nazionale di Informatica, national finalist · 2023. Selected through my school's qualifying round for the national computer science competition: 25 students from technical schools across Italy solving system design and coding problems.

TEDxKULeuven, volunteer crew · 2026. Venue setup, event video recording, guest handling.

■ PHOTOGRAPHY

Motorsport, football and travel photographer. 130+ photos published at lorenzomarchisio.me/gallery through my own publishing pipeline.