

Why ituma?

- We're an owner-managed tech company in Hilden with flat hierarchies and real decision-making autonomy.
- Our product, aduno®, runs on live networks – what you build is actually used.
- We have our own lab: hardware, sensors, network equipment. We can test what we develop in real-world conditions – not just simulate it.
- We choose technologies based on quality, not hype – and we're open to modern ways of working, even if they're unconventional.

We're waiting for you.
What are you waiting for?



- You'll help shape architecture and workflows—and influence which tools we'll use to develop tomorrow.



FULL-STACK DEVELOPER (MID TO SENIOR) – BACKEND FOCUS WITH FASTAPI & SVELTEKIT (F/M/D)

Full-time / permanent / primarily on-site / Location: Hilden

Do you think in terms of systems, not lines of code? Do you know that modern software development is about much more than just an IDE and a keyboard – namely, well-defined specifications, clear architecture, and the strategic use of modern tools? Then let's talk.

Your Mission

- You will continue to develop aduno® – primarily on the Python/FastAPI backend, but also on the SvelteKit frontend where needed.
- You'll build scalable APIs for IoT data, device management, and real-time monitoring (TimescaleDB, MQTT, Chirp-Stack).
- You'll connect the backend and frontend to create well-designed user journeys—from dashboards and configuration wizards to live monitoring views.
- You clearly define features before they are built – and decide what you will write yourself and what you can delegate.
- You take responsibility for architectural decisions and code quality—regardless of the tools used to write the code.
- You work closely with hardware, network, and DevOps colleagues and shape how our platform interacts with the real world.

We develop aduno® – an IoT and network monitoring platform that runs in production environments. Built on Python/FastAPI on the backend and SvelteKit on the frontend. For our product development team, we're looking for someone to help us further build this platform – someone who can design both the interface and the UI and who uses modern tools strategically to scale their own work.

AI-Powered and AI-Assisted Development @ ituma

For us, AI isn't just a buzzword – it's part of our daily workflow. We use Claude Code, Claude, and GitHub Copilot – but we don't believe in magic; we believe in clear specifications. And above all: at ituma, architecture is designed by people, not models. You'll make key design decisions as a team – AI helps with building, not with decision-making.

- You understand the strengths and limitations of today's AI coding assistants—and decide on a case-by-case basis whether to work spec-driven, delegate tasks to agents, or stick with classic pair programming.
- You write precise specs that AI agents can reliably implement—and critically review generated code before it lands in main.
- You enjoy optimizing workflows: How do we structure a repo so that Claude Code is as productive as possible? Which tests, linters, and hooks help with this?
- You see AI as a scaling lever – not as a replacement for clean architecture, but as a prerequisite for it.

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ituma GmbH
Kleinhülsen 29 · 40721 Hilden
Telefon +49 (0) 2103 / 280 99-0
Telefax +49 (0) 2103 / 280 99-29
E-Mail kontakt@ituma.eu
Web www.ituma.eu

Bankverbindung:
Stadt-Sparkasse Solingen
BIC SOLSDE33
IBAN DE85 3425 0000 0001 2883 07

BLZ 342 500 00 · Konto 12 88 307

Steuer-Nr.: 135/5738/1891
USt.-IdNr.: DE-271404505

Amtsgericht Düsseldorf HRB 78350
Sitz der Gesellschaft Hilden
Geschäftsführer: Simon Marg

What You Bring to the Table

Must-haves

- Several years of professional experience in backend development with Python (FastAPI or similar).
- Proficiency with modern frontend frameworks — SvelteKit, React, or Vue (experience with SvelteKit is a definite plus).
- TypeScript is second nature to you.
- You understand REST APIs, data modeling, and asynchronous processing, and you're familiar with the pitfalls of real-time systems.
- Git, CI/CD, and containers (Docker) — these are part of your daily routine.

What Sets You Apart

- You think in terms of systems, not tickets.
- You're curious about new tools, but pragmatic enough to evaluate them rather than just jumping on the bandwagon.
- You take responsibility for what you build — including maintenance.
- “We've always done it this way” isn't an argument for you. You debate with us to find the most sensible solution — not the most convenient one.
- You enjoy direct, honest communication.

Interested?

Do you want to build backend systems that make a difference — and think beyond the next ticket? Then let's talk.

Nice-to-haves

- Experience with time-series databases (TimescaleDB, InfluxDB) or message brokers (MQTT, Kafka).
- Familiarity with IoT/M2M protocols (LoRaWAN, Modbus, SNMP).
- Basic familiarity with networking (routing, switching, common protocols) — we work extensively in this area.
- Tailwind, design system experience, and a sense of UX.
- Experience with observability (Elastic, Grafana, OpenTelemetry).
- Contributions to open-source projects, personal repositories, tech blogs—anything that demonstrates your way of thinking.

What We Offer

- Major clients. aduno® is used by well-known companies and in demanding networks — you'll be building something that carries real responsibility and is in production.
- An experienced team that knows its craft. Colleagues from whom you can learn and with whom you can discuss ideas as equals—in-house, without a consulting layer in between.
- A genuine passion for technology and development. We work with focus and productivity — and a genuine interest in what we build. For us, passion and efficiency go hand in hand.

Apply now by submitting your resume, your desired salary, and your earliest possible start date:

hr@ituma.eu

We are particularly interested in:

- Links to open-source projects or public repositories
- Examples of specs, PRDs, or architecture documents you've written
- Your thoughts on how you develop efficiently today and which tools help you do so
- Examples of code or systems you're proud of