MATHIAS PELLEGRIN

Backend Engineer · Node.js · TypeScript · Cloud

Brussels, Belgium (CET) · Remote-first, US hours overlap · mathias.pellegrin.pro@gmail.com · Available now

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PROFILE

6+ years building and running production backend systems end-to-end: APIs, services, deployment pipelines and cloud infrastructure. **Sole technical owner of a SaaS platform live in production since 2020**, and former **CTO** of an infrastructure company where I owned the backend and public API layer. Used to **inheriting long-lived codebases and migrating them incrementally**, without breaking the service in front of users. **Six years working fully remotely with teams in the UK and the US**, delivering async against clear scope. Native French, full professional English; UK company available for contracting. Based in Brussels (CET) and set up for a **4+ hour daily overlap with US Eastern and Pacific hours**.

TECHNICAL SKILLS

- **Languages: TypeScript**, **JavaScript / Node.js**, SQL, Solidity
- **Backend: REST API design**, service architecture, **OAuth 2.0** (authorization server built from scratch), client credentials, webhooks, event listeners, background jobs, SDK design
- **Cloud & CI/CD: Docker** (multi-service stacks), **Linux** server administration, **DigitalOcean**, Vercel, Nginx, environment and secrets management, **automated build / test / deploy pipelines**, monitoring and production incident handling
- **Data & frontend: PostgreSQL**, **MySQL**, **MongoDB**, **Redis**, Prisma · React.js, Next.js, React Native (iOS & Android)
- **AI engineering: multi-agent system design**, agent orchestration and LLM tool calling, integration of agents into backend services, plus day-to-day **AI-assisted development workflows**
- **Ways of working: legacy migration and incremental refactoring**, system architecture, code review, release management, direct work with non-technical stakeholders

EXPERIENCE

Smarteaming · Full-stack & Backend Engineer — *July 2020 – Present · Belgium · smarteaming.com*

- **Sole engineer** on a **multi-tenant** team-scheduling SaaS with **around 10 client companies and several hundred end users**, **in production continuously since 2020**. Backend, mobile apps, web frontend and the infrastructure underneath.
- Built the backend: **REST API**, business logic, data model and third-party integrations serving mobile and web clients from a single service layer.
- Own the **entire delivery chain**: environments, **CI/CD pipelines**, releases, monitoring, backups and **incident response**, with no ops team to hand things over to. **One production server, three reboots since August 2023, each under two minutes.**
- **Six years of continuous evolution on one codebase**: incremental refactoring, framework and dependency upgrades, rewriting older modules **while keeping the live service running**.
- Shipped the iOS and Android apps (React Native) and the web frontend (React.js) on top of that API.
- **Direct ownership of scope and priorities** with the business side, from feature definition through to production rollout. The platform now runs as a stable B2B product on light maintenance.

Chain-Fi Ltd · Chief Technology Officer — *May 2024 – February 2026 · London, UK (remote)*

- **Technical lead** for a non-custodial multi-chain vault product (ran on testnets): architecture, backend, developer platform and delivery. Engagement ended when the company ceased trading.
- Built the backend layer: **an OAuth 2.0 authorization server written from scratch**, application registration and client credentials, and a **REST API (87 endpoints)**, plus **event listeners** and the services processing them.
- Built a **JavaScript SDK and Developer Portal** for integrators (QR authentication, signing, wallet flows); implemented the vault smart contracts.

MBP Enterprises LTD · Independent Engineer, own contracting entity — *November 2024 – Present · London, UK*

- UK company I use to contract and invoice freelance work. **Fixed-scope engagements, protocol bounties and research**, each shipped with repository and PRs, deployment notes and runbook, architecture notes, tests and monitoring hooks.
- **Winner, Conflux Global Hackfest 2026** (GigShield) · **Winner, Conflux Summer Hackfest 2025** (FluxSub) · **2nd place, Conflux AI Agent Hackathon 2025** (FluxPad) · a third project shipped at Summer Hackfest 2025.
- Selected builds: multi-agent AI platform with contracts live on mainnet; **AI smart-contract auditor**: multi-service **Docker** stack (Slither + Mythril), Next.js, **PostgreSQL + Prisma**, webhook notifications, test coverage.

Nanoware Games · Junior Developer — *June 2020 – April 2021 · United States (remote)*

- Early technical role on web and blockchain projects: feature development and UI work.

EDUCATION & LANGUAGES

Université de Namur, BSc Computer Science, September 2023 – expected 2027 (Namur, Belgium), studied alongside full-time engineering work

French (native) · **English** (full professional) · **Dutch** (conversational)