Alban Billiette

Full Stack Developer

French (native) | English (C1) | Polish (basic)
alban.billiette@gmail.com | Warsaw | EU citizen | Available full time | LinkedIn | GitHub

Summary

Systems programmer turned founder. Started with x86 assembly and kernel drivers, now ships full-stack SaaS products end to end, from React frontends to the Linux infrastructure underneath them.

Skills

Languages: C, C++, x86-64 Assembly, TypeScript/JavaScript, Python, SQL
Systems & Security: Linux, Windows kernel drivers, IDA, x64dbg, QEMU, reverse engineering
Web: React 19, Next.js, Node.js, Fastify, FastAPI, PostgreSQL, REST, WebSockets
Infra: Docker, CI/CD, GitHub Actions, Nginx/Caddy, AWS S3

Experience

Full Stack Developer May 2026 - Present
Rustaveo | Rust+ Companion SaaS | rustaveo.com

- Shipped a live paid SaaS solo: 80k-LOC TypeScript monorepo, Fastify/PostgreSQL API, React 19 SPA, Chrome extension.
- Reverse-engineered the Rust+ protocol into 7 delivery channels: Discord, Telegram, Telnyx calls, web push.
- Encrypted third-party credentials with AES-256-GCM at rest, with per-request authorization.
- Zero-downtime CI/CD on Docker + Caddy, 680 tests gate every merge, deploys pinned to a SHA with auto-rollback.

Projects

Arbor | Modular Booking Engine Aug 2026
Backend & infrastructure, 5-person team | Codaro x Google for Startups Hackathon

- Built the backend API with FastAPI and PostgreSQL, with booking logic adaptable to any business type.
- Set up project infrastructure and deployment, keeping the stack stable under hackathon conditions.
- Shipped a working product in one day, placing 1st in our track.

Game Security Research | Anti-Cheat Reverse Engineering Jun 2024 - Present

- Reverse-engineered BattlEye and EAC kernel-level anti-cheats using IDA, x64dbg, and Cheat Engine.
- Wrote custom Windows kernel drivers in C for memory reading and process introspection.

kaveOS | Custom x86 Operating System Apr 2025 - Present

- Wrote an x86 Assembly bootloader handing off to a custom C kernel via GRUB, bootable under QEMU.
- Implemented memory segmentation, interrupt handling, VGA output, and screen switching.

Awards

1st Place (Booking System Track) | Codaro x Google for Startups Hackathon
Most Innovative Idea | 42 Warsaw Hackathon

Education

42 Warsaw Apr 2026 - Present
Advanced Core: kernel programming and full-stack development.
Part of the 42 Network, ranked 3rd worldwide for innovation (WURI 2026).

42 Le Havre Oct 2024 - Mar 2026
Admitted via Piscine, a competitive one-month coding challenge. Common Core completed.