

Alexandre Trotel

Junior Full-Stack Engineer · Open to roles · Paris, France, open to relocation

trotelalexandre@proton.me alexandretrotel.org github.com/alexandretrotel linkedin.com/in/alexandretrotel

SUMMARY

Full-stack engineer with a Rust and TypeScript focus. Built high-throughput data pipelines, low-latency APIs and open-source libraries used by thousands of developers. Two-time CTO, comfortable owning systems end to end.

EXPERIENCE

Radion · Co-founder & CTO Mar 2026 - Aug 2026

- Built a real-time and historical data platform for Polymarket prediction markets in a Rust monorepo of 9 services, including an Axum API, an MCP server and the ingestion pipelines
- Designed a reorg-safe pipeline from self-hosted Polygon nodes through Redpanda (Protobuf) into TimescaleDB, processing 1,000+ events/s
- Ingested 8B+ on-chain events in under 2 days and stored 400+ GB compressed
- Served REST and WebSocket data at 70ms p95, among the fastest in the market
- Shipped official SDKs in TypeScript, Rust and Python, plus usage-based billing with Stripe
- Managed an intern and ran technical interviews; top 10% of YC applicants, Alliance interview stage

Zap Studio · Founder, open source Jul 2025 - Present

- Built 16 type-safe, framework-agnostic TypeScript packages (fetch, validation, store, permissions, webhooks, WebMCP) with zero runtime dependencies
- Reached 7,000+ monthly downloads and 170+ GitHub stars, with the whole ecosystem at 164 KB gzipped

ALLOHOUSTON · Full-Stack Engineer, intern then freelance May 2025 - Dec 2025

- Wrote a conflict resolution algorithm for incremental CRM sync that preserves local state
- Built an end-to-end OCR pipeline with Mistral OCR that extracts document data and scores validity against public and private databases
- Improved type safety across the stack and prepared it for AI-powered code review

Mindify · Co-founder & CTO Jul 2024 - Dec 2024

- Shipped a Next.js web app and an Expo mobile app on the App Store and Google Play: 1,000+ downloads, 300+ beta users
- Built the NestJS backend with Supabase and OpenAI-powered features

SiBorg · Full-Stack Engineer Intern Jun 2024 - Sep 2024

- Led the Next.js and GraphQL frontend of an NFT advertising platform; won The Graph Prize at Coinbase Onchain Summer

TrotelCoin · Founder Jul 2023 - Jul 2024

- Deployed 10+ Solidity smart contracts and a web app used by 200+ users; reached 342 holders

EDUCATION

Georgia Institute of Technology · MS Electrical and Computer Engineering (double degree) Jan 2025 - May 2026

Machine Learning, ML for Trading, Network Security

ENSEEIHT · MS Computer Science Sep 2022 - Jul 2025

Networks, Distributed Systems, Cloud and Big Data

Lycée Chateaubriand · CPGE PCSI, PSI* Sep 2020 - Jul 2022

SKILLS

Languages: TypeScript, Rust, Python, SQL, Solidity

Backend & data: Axum, Tokio, NestJS, PostgreSQL, TimescaleDB, Redpanda, Protobuf, GraphQL

Frontend: React, Next.js, TanStack Start, React Native, Expo, Tailwind CSS

Infra & AI: Docker, Railway, GitHub Actions, MCP, LLM APIs

PROJECTS

todo-tree (56 stars): Rust CLI to find TODO comments · **dotfiles-manager** (33 stars): Rust CLI to sync dotfiles with profiles · **feedyourai** (4 stars): Rust CLI to pack a codebase for LLMs

Leadership: Vice President, N7 Consulting, ENSEEIH's Junior-Entreprise (Mar 2023 - Mar 2024). Led a team of 26 and generated €100K in revenue

Languages: French (native), English (fluent, C1)

Interests: Running (20-30 km/week), piano and EDM production, science content creator (10k+ Instagram followers)