Bruno Seilliebert.

Software Engineer, Paris

bruno@seilliebert.dev
bruno.seilliebert.dev
github.com/bruno00o
linkedin.com/in/bruno-seilliebert

SUMMARY

Software Engineer, three years at SFR on the real-time digital twin of the network: data ingestion, graph, real-time web interface and AI agents for root cause analysis, built with the network teams that use them. I ship and run what I build, from the data to the screen. On the side, a homelab and personal projects, from electronics to the web.

SKILLS

Languages	TypeScript, Python, Go, Java
Infra	Docker, Kubernetes, Talos, Linux, GitHub Actions, GitLab CI
Frameworks	TanStack Start, Next.js, Vue.js, Django, Spring
Data	ClickHouse, Neo4j, Kafka, SQL, Redis
AI	MCP, Deep Agents, Claude, Ollama
Spoken languages	French (native), English (professional, TOEIC 930/990)
Certifications	Neo4j Certified Professional

EXPERIENCE

Software Engineer SFR `Full-time` — Sept 2025 - present

Real-time digital twin of the network: 100k+ devices, dozens of users.

- **Ingestion of SNMP metrics** (Zabbix via Kafka), network discovery (S3) and syslog into ClickHouse, plus the transformations feeding the graph: a log is visible in the interface in **under a minute** (Vector, Go)
- **Neo4j graph of the network**, Graph Data Science algorithms (max flow) flagging isolated routers
- **Real-time web application** on the state of the network, refreshed over SSE (TypeScript, TanStack Start)
- **AI agents for root cause analysis** in natural language: three MCP servers (Neo4j, ClickHouse, NetBox) and a custom RAG tool (Deep Agents)
- Started the AI agent work alone, then **mentored an intern** on it
- **Seven services in production**, run autonomously from provisioning to upgrades, plus one OpenShift deployment

Software Engineer SFR `Apprenticeship` — Sept 2023 - Sept 2025

Internal tools for the network engineering teams, start of the digital twin project.

- **Network visualization application** with Neo4j and Next.js, to analyze and optimize the infrastructure
- **Router configuration tool** with Vue.js and Django, plus Python automation scripts cutting deployment time and manual errors

Web & Mobile Developer Kynova `Apprenticeship` — Jun 2022 - Jun 2023

Websites and mobile apps for the agency's clients.

- **Websites and web and mobile apps** for a range of clients, from the design mockups to delivery and maintenance (SEO, CMS)

PROJECTS

Kazimo `TypeScript, Bun, Effect, Matrix, LiveKit, ONNX`
Open source connected object for an elderly person: photo frame, video calls, voice assistant (Matrix, E2EE).

Aroma `Next.js, PocketBase, PWA`
Check your university schedule on mobile, where ADE is barely usable on a phone.

Homelab `Kubernetes, Talos, Cilium, Flux`
A self-hosted Kubernetes cluster running my apps, my personal services and the connected home.

EDUCATION

Master's, Software & Data Engineering Université Gustave Eiffel `Apprenticeship` — Sept 2023 - Jun 2025
`Honours (mention Bien)`

Bachelor's, Computer Science Université Gustave Eiffel — Sept 2020 - Jun 2023
`Honours (mention Assez Bien)`