NATHAN RUER

Software Engineer | Paris
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PROFILE

Software Engineer graduated from ISEN, with a strong focus on designing reliable and scalable architectures. I have a proven track record of delivering end-to-end solutions, from gathering user requirements to production deployment within collaborative environments. I am particularly attentive to the product dimension of my work, ensuring the systems I build are both robust and easy to maintain.

PROFESSIONAL EXPERIENCE

Independent Software Engineer — R&D & Open Source

Oct. 2024 - Present

- Trading & Real-Time Systems (Hyperliquid): Developed an execution gateway (Python/FastAPI), implemented real-time data streams via WebSockets for live monitoring, and integrated automated Telegram alerts.
- AI & Autonomous Agents (Starknet): Designed intelligent agents (Lucid framework / x402 protocol) capable of autonomous blockchain interactions, orchestrating on-chain analysis workflows, and automating decision-making processes.
- Fullstack & Data Platforms (React/Next.js): Architected a sports tracker featuring data visualization and an AI coach for performance analysis; developed a dynamic crypto news aggregator utilizing real-time WebSocket feeds.

Full Stack JavaScript Web Developer (Apprenticeship)

AcommeAssure, Brest | Sept. 2023 - Sept. 2024

- Developed secure Vue.js interfaces for the client dashboard/customer portal.
- Implemented authentication flows (JWT, 2FA) using NestJS and Keycloak within a production environment.
- Wrote unit, integration, and E2E tests to ensure the reliability of new features and updates.
- Enhanced UI/UX and ergonomics based on direct user feedback and design requirements.

Digital Projects Assistant (Internship)

Omnis Liber, Paris | May 2022 - Oct. 2022

- Technical & Visual Overhaul (WordPress): Redesigned the web ecosystem, modernizing the visual identity and optimizing the user experience (UX/UI).
- Trading Strategy Automation (Python): Integrated exchange APIs, processed real-time data feeds, and developed custom backtesting tools.

EDUCATION

ISEN (Institut Supérieur de l'Électronique et du Numérique) - Master of Engineering Degree (Bac+5)

Nantes, Brest | 2018 - 2024

Specialization: Market Economics and Finance
- Final year project: Development of an AI-based facial recognition system in Python

SKILLS

- Languages: JavaScript, TypeScript, Python, Solidity
- Frontend/Backend: React, Next.js, Vue.js, Node.js, NestJS
- UI & Design Systems: shadcn/ui, Material UI (MUI), Tailwind CSS, Framer Motion, Radix UI
- Testing: Unit, Integration, and E2E Testing (Jest, Cypress)
- DevOps & Tools: Git, GitHub, Docker, CI/CD pipelines
- AI Productivity: Proficient in LLMs (agentic architectures, technical constraints), n8n, Cursor, Antigravity, Claude Code, Copilot
- Blockchain: Hardhat, Ethers.js, Web3.js, Wagmi
- Methodologies: Agile / Scrum

LANGUAGES

- English: C1 (Advanced) - TOEIC: 920 (2019)
- Spanish: B2 (Upper-Intermediate)
- French: Native - Certificat Voltaire (Engineer Level)

HOBBIES & INTERESTS

- Software Architecture & System Design: Deep interest in designing scalable, robust systems with a focus on high-load handling, performance optimization, and reliability.
- Blockchain & Crypto: Technical project design (Smart Contracts, dApps) combined with in-depth crypto market analysis.
- Economics & Finance: Active monitoring of capital markets, global economics, and fintech innovations.
- Travel: Extensive international experience (Indonesia, Australia, India, etc.), fostering adaptability, curiosity, and a global mindset.