

NATHAN RUER

Software Engineer | Paris

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Portfolio: <https://nathanruer.dev/>

PROFILE

Software Engineer with a Master of Engineering from ISEN. Curious and rigorous, with a strong product mindset and experience delivering end-to-end software solutions in real-world environments. Comfortable working across the full development lifecycle, from problem analysis to production delivery. Motivated by building reliable, scalable, and high-impact systems within innovative and collaborative teams.

PROFESSIONAL EXPERIENCE

Personal projects – Web Development, Blockchain & Finance

Oct. 2024 – Present

- Independently pursued Web3 projects to advance my JavaScript and full-stack development skills.
- Continuously monitor financial and cryptocurrency markets, building expertise in financial analysis and economics.

Full Stack JavaScript Web Developer (Apprenticeship)

AcommeAssure, Brest | Sept. 2023 – Sept. 2024

- Developed secured interfaces leveraging Vue.js.
- Engineered personal space authentication (JWT, 2FA) using NestJS and Keycloak.
- Authored unit, integration, and end-to-end tests with Jest and Cypress to ensure code quality.
- Collaborated with UX/UI designers to enhance user experience and interface ergonomics.

Digital Projects Assistant (Internship)

Omnis Liber, Paris | May 2022 – Oct. 2022

- Led the website overhaul using WordPress and updated the brand's visual identity (graphic charter).
- Developed Python scripts for automated crypto trading strategies, including API integration with exchanges, real-time data acquisition, and backtesting.

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, HTML, CSS
- Frameworks/Runtimes: Node.js, React, Next.js, Vue.js, NestJS, TailwindCSS
- Blockchain: Hardhat, Ethers.js, Web3.js, Wagmi
- Testing: Jest, Cypress
- DevOps/Tools: Docker, Git, GitHub, Postman
- Methodologies: Agile, Scrum, CI/CD
- AI: LLM (Architecture, Tokenization, Limitations), Advanced Prompting, Copilot, Cursor & Claude Code Integration

LANGUAGES

- English: C1 – TOEIC 920 (2019)
- Spanish: B2
- French: Voltaire Certificate – Engineering Level

HOBBIES & INTERESTS

- Travel: Explored various countries (Indonesia, Australia, India, etc.), developing curiosity, adaptability, and cultural awareness.
- Blockchain & Crypto: Design and development of technical projects (smart contracts, dApps) and analysis of crypto markets.
- Economics & Finance: Active monitoring of market finance, global economics, and FinTech innovations.