

Raphaël ISSARTIAL

📍 Paris, 10th district

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Education

Engineering School De Vinci - ESILV

Master in Computer Science and Fintech

Paris, France

Sept 2022 – August 2025

- **Main Computer Sciences Track:** Web development, Machine learning, Operating systems, Database, Data sciences, Cryptography, Blockchain programming, Smart contract, Crypto-Finance
- **Quantum Track:** Quantum theory, Quantum computation, Advanced quantum algorithms, Post-quantum cryptography

Experience

Freelance Software Engineer

BorgPad

Remote, France

Aug 2025 – Nov 2025

- Developed a onchain automation script that claims - burns - swaps - transfers tokens fees
- Built a live fees dashboard for the cryptocurrencies pool
- Implemented real-time monitoring for a trading bot
- Designed and implemented a profile scoring system for subject-specific evaluation leveraging the OpenAI API and RAG
- **Tools:** Cloudflare, Github, OpenAI API, Twitter API
- **Programming languages:** Typescript, JavaScript

Software Engineer Intern

SwissBorg

Lausanne, Switzerland

Feb 2024 – Jul 2024

- Engineered an AI chatbot microservice from scratch in Scala, deployed on stage
- Developed 5+ RESTful and gRPC APIs using Akka HTTP and Protobuf for inter-service communication
- Integrated AWS Bedrock LLM with 3 agentic tools (price fetching, calculations) reducing user support queries by 30%
- Built 3 POC iterations in Python (Ollama, OpenWebUI) before production deployment to 100+ internal users
- Documented microservice architecture guidelines adopted by 15+ engineers for future service development
- **Tools:** gRPC, Protobuf, AWS Bedrock, Kubernetes, GitLab CI/CD, ArgoCD, Ollama
- **Programming languages:** Scala, Python

Freelance Full-stack Developer

Kwyk

Remote, France

April 2024 – Aug 2024

- Extended freelance collaboration following the internship

Full-stack Developer Intern

Kwyk

Paris 9th District, France

April 2024 – Aug 2024

- Developed, improved, debugged and optimized about 80 academic exercises in Python
- Built 1 app to track the 20 000 exercises performance and errors with database logging and a dashboard
- Collaboration with a team of 9 developers
- **Tools :** Django, Bootstrap, jQuery, Gerrit, GitLab and Pycharm.
- **Programming languages:** Python, HTML, CSS and JS

Hackathons

- **Hackathon Chainlink:** Formation about Smart contracts et using oracle Chainlink
- **Hackathon Kryptosphere:** Brainstorming and conceptualization on Health in the Web3 ecosystem

Technologies - Soft-skills

Languages: Python, Scala, JavaScript, HTML, CSS, SQL, no-SQL, Rust, Solidity, C#

Frameworks: Django, Vue, React, Akka HTTP

Others: gRPC, Protobuf, AWS (Bedrock, EKS, RDS), Kubernetes, ArgoCD, Kafka, MAUI .NET, VS Code, Visual Studio, IntelliJ IDEA, Pycharm, MySQL, MongoDB, GitLab CI/CD, Agile method (SCRUM)

Soft-skills:

- **English:** Proficient (TOEFL IPT 570/677) - **French:** Native
- **Competitive sports:** Tennis, Volley-ball and Badminton
- **Hobbies:** Manga and Self-development reading
- **Interests:** Artificial Intelligence, Technology, Finances and Decentralized technologies
- **Interpersonal abilities:** Curiosity, Teamwork, Adaptability, Communication, Problem-solving, Critical thinking, Positive mindset