

# Mitch Spiron

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## SUMMARY

Full Stack Developer, I have designed and deployed modern platforms for ministries, NGOs and international startups. Specializing in TypeScript, Vue.js, NestJS, Solidity and Prisma, I create secure, high-performance applications ranging from enterprise web systems to blockchain solutions. Recognized for my ability to transform complex needs into user-centric applications and collaborate effectively with diverse teams.

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## EXPERIENCES

### Freelance Full Stack and Web3 developer

FluenTech

March 2025 – July 2025

- Architected decentralized Web3 platform for fantasy tennis gaming.
- Developed the training academy section used by more than 8,000 users of the platform.
- Built microservice APIs using tRPC and REST.
- Implemented Web3 wallet connectivity and real-time updates
- Deployed smart contracts on Ethereum testnet.
- Full integration of a UI/UX mockup into a responsive web interface.

### Web Developer Specialist Consultant

Food and Agriculture Organization of the United Nations (FAO)

October 2024 – December 2024

- Restructuring of a platform serving more than 100 rural development coordinators and 15 technical and financial partners. This made it possible to manage more than 89 projects and programs for rural development.
- Architected scalable TypeScript/Vue.js solution with NestJS backend.

### Full Stack Developer Consultant

Ministry of Agriculture and Livestock

June 2024 – October 2024

- Built comprehensive event management platform with real-time mapping functionality that reduced manual coordination by 30%.
- Integrated LeafLet.js mapping system with custom geolocation features.
- Established automated deployment pipeline.

### Web Developer Specialist Consultant

Food and Agriculture Organization of the United Nations (FAO)

Février 2024 – Juin 2024

- Designed and developed ministry website attracting 300+ monthly visitors within first 3 months of launch
- Developed a custom WordPress theme that boosted site SEO ranking into the top 5 results for key agricultural queries.
- Customized a plugin.

### Freelance Backend Developer

Lions Sight First Madagascar

June 2023 – February 2024

- Implemented a secure payment API with Stripe, enabling real-time transactions and improving reliability for thousands of donors.
- Created an event management system supporting multiple events and over 1,000 attendees.
- Strengthened the security of the architecture.

### Full Stack Developer Consultant

WANTETE WEB HOSTING

August 2023 – December 2023

- Designed and developed hosting automation platform integrating WHMCS.
- Developed a scalable Node.js SDK allowing interaction with WHMCS APIs and then implemented it in a third-party module and application
- Managed shared server infrastructure.

### Freelance Full Stack Developer

MK-co

October 2021 – December 2022

- Development of a job board platform, attracting more than 100 registered users in the first 2 months.
- Developed a coming-soon platform, allow to publish coming events for the company and its multiple partners.
- Designed relational database architecture supporting complex search algorithms.
- Worked in an Agile environment.

### Developer Intern

INGENOSYA

March 2021 – May 2021

- Developed ERP module configuration system using Python and Odoo13 framework
- Collaborated with senior developers on PostgreSQL database optimization and reporting features
- Gained hands-on experience in enterprise software development and agile methodologies.

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## PROJECT

- Decentralized Web3 application for Ethereum cryptocurrency transactions; Tools: Solidity, Truffle,Ethers.js, Web3.js, Wagmi, React.js, TailwindCSS.
- Decentralized Web3 application for Crowd Funding; Tools: Solidity, HardHat, ThirdWeb, Ethers.js, React.js,TailwindCSS.
- Decentralized Web3 application for an NFT marketplace; Tools: Solidity, HardHat, Ethers.js, Next.js,TailwindCss.
  
- Data Warehouse; Tools: Knowage, PostgreSQL.
- Expense management system using TRIGGERS; Tools: PHP, MySQL.
- Kubernetes cluster; Tools: Vagrant.
- Microservices Application; Tools: RabbitMQ, PostgreSQL, NestJS.
  
- Multiple choice question application for ENI; Tools: TypeScript, NestJs, Prisma, Vite, ReactJS.
- Operational research application based on the transport algorithm; Tools: JavaScript, JQuery.
- Geographic Information System Application; Tools: Vue.js, Leaflet.js.
  
- Mobile appointment booking application; Tools: IONIC, Capacitor, Android Studio, Railway.
- Desktop input/output management application; Tools: JAVA, Hibernate, MySQL, NetBeans.
- E-commerce application; Tools: PHP, Symfony, EasyAdmin.
  
- Car rental management application; Tools: PHP.
- QR-CODE attendance management application; Tools: PHP, Laravel.
  
- Weather Station setup; Tools: QtCreator, Arduino.

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## EDUCATION

### Engineering degree in Computer Science, General Computer Science track

National School of Computer Science • November 11, 2024

### Professional Bachelor's degree in Computer Science, General Computer Science track

National School of Computer Science • May 24, 2023

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## INVOLVEMENT

Leo Club International • 2019 – 2022

- Vice-president of Leo Club TARATSA: term 2021 – 2022.

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## SKILLS

Languages: TypeScript, JavaScript, Solidity, PHP, SQL.

Frameworks & Libraries: Vue.js, Nuxt.js, React.js, Next.js, Nest.js, Adonis.js, Vite, TailwindCss.

Databases: PostgreSQL, MySQL, Redis.

Tools: Docker, Redis, Git, Github, Jenkins, CI/CD, REST API, GraphQL, Prisma, TypeORM.

Web3: Hardhat, Web3.js, Ethers.js, Wagmi, Thirdweb.

French, English

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