

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, Nest.js, 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.

EXPERIENCE

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, Prisma, Zod, and REST, and contributed additional features in Adonis.js.
- Integrated Web3Auth API to enable secure authentication and implemented Web3 wallet connectivity with real-time updates.
- Developed and deployed smart contracts with Solidity on the 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)

February 2024 - December 2024

- Restructured a coordination platform used by 100+ rural development coordinators and 15 technical/financial partners, enabling the management of 89+ projects and programs.
- Architected a scalable solution with TypeScript/Vue.js frontend and Nest.js backend, improving performance and maintainability.
- Integrated real-time data visualization modules to support evidence-based decision-making for rural development programs.
- 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.

Full Stack Developer Consultant

Ministry of Agriculture and Livestock

June 2024 - October 2024

- Built a comprehensive event management platform with real-time mapping using Nest.js, reducing manual coordination efforts by 30%.
- Integrated Leaflet.js mapping system with custom geolocation features in a Vue 3 + Vite application.
- Implemented WebSocket and Socket.io to enable real-time event updates and user interactions.
- Established automated deployment pipeline.

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 using Nest.js, Prisma and Redis for caching.
- Developed an interactive user interface with Nuxt.js, Tailwindcss and DaisyUI.
- 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 using PHP, Smarty and Bootstrap.
- 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

- Built a job board platform with Vue.js, Node.js/Express.js (REST API), and SQL, attracting 100+ registered users within the first two months.
 - Developed a coming-soon platform using Vue.js (Vue 3), Nest.js and Prisma ORM, enabling the company and its partners to publish and promote upcoming events. Added real time interaction with websocket and Socket.io.
 - Set up continuous deployment pipelines on Railway Cloud, reducing manual deployment effort and accelerating release cycles.
 - Designed relational database architecture supporting complex search algorithms.
 - Worked in an Agile environment following the SCRUM methodology.
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EDUCATION

Engineering degree in Computer Science, General Computer Science track

National School of Computer Science

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

National School of Computer Science

INVOLVEMENT

Leo Club International · 2019 - 2022

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

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
