

Thomas MORAS

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Seeking Canadian Work Permit | Professional English

SUMMARY

Full Stack Software Engineer with 6 years of experience in enterprise solutions, now specializing in **Web3** and blockchain development. Proven expertise in building **scalable applications** using **Next.js**, **Node.js**, and **TypeScript**, with recent focus on smart contract development using **Solidity** and **Hardhat**. Expertise in microservices and **REST APIs**. Seeking challenging Web3 opportunities in Toronto to leverage both traditional software engineering experience and cutting-edge blockchain expertise.

TECHNICAL SKILLS

Frontend Development:

- **React/Next.js** : Building responsive web applications, state management, SSR implementation
- TypeScript/JavaScript : Strong typing, modern **ES6+ features**, async programming
- UI/UX : **Tailwind CSS**, **Shadcn/ui** components, HTML5/CSS3, responsive design

Blockchain Development:

- Smart Contracts : **Solidity**, **OpenZeppelin**, security best practices
- Development Tools : **Hardhat**, Foundry, **ethers.js**, **web3.js**
- Web3 Integration : **Wagmi** hooks, **Viem**, **RainbowKit**, wallet connectivity
- Testing & Security : Unit testing, integration testing, **Slither** and **Solhint** analyzer

Backend Development:

- **Node.js** : RESTful APIs, microservices architecture, API integration
- Databases : SQL (**PostgreSQL**, SQL Server), NoSQL design
- Languages : **TypeScript**, JavaScript, C#/.NET, Java (enterprise applications)

DevOps & Methodologies:

- Version Control : **Git**, **GitHub**, pull request workflows
- CI/CD : **GitHub Actions**, automated testing, **Codecov** integration
- Deployment : **Vercel**, Docker containerization
- Project Management : **Agile/Scrum**, team collaboration tools
- Documentation : **Notion**, **Obsidian**, **Microsoft Office Suite**

Professional Attributes:

- Hybrid Collaboration: Experience in distributed teams, async communication and mixed **remote/on-site workflows**
- Project Leadership: Strong **documentation** and **organization** with focus on clear **communication**
- Problem-Solving & Innovation: Self-driven technical approach with **analytical mindset** and mentoring capabilities
- Quality & Delivery: Emphasis on **code quality**, **testing standards**, and **secure** development practices

PROFESSIONAL EXPERIENCE

Lead Web3 Developer - [Pulse Project](#) (RS6515 Certification Project)

Nov 2024 - Present

[National Blockchain Development Certification](#)

- Architected and developed a full-stack DApp with **Next.js**, **TypeScript**, and **Solidity (8.0.28)** for French national certification
- Built automated CI/CD pipeline with **GitHub Actions**, including **Codecov** for test reporting

- Engineered smart contracts using Hardhat and **OpenZeppelin** (80% test coverage)
- Implemented decentralized data storage using **IPFS** through **Pinata API** integration
- Created comprehensive smart contract documentation following **Natspec** standards
- Enhanced security through automated code analysis (**Solhint, Slither**)
- Deployed front-end on **Vercel** and smart contracts on **Base Sepolia testnet**

Technologies: Next.js, Solidity, Hardhat, Node.js, TypeScript, Tailwind, Shadcn, Git, GitHub Actions

Tools : VS Code, Cursor, Notions, Obsidian, Github, Vercel

Senior Software Engineer | [INEO Nuclear](#) | France

Nov 2018 - Sept 2024

Ineo Nuclear, an Equans subsidiary, provides specialized multi-technical services for nuclear facilities, including design, construction, rehabilitation, maintenance, operations, and site security.

- **Led full-cycle development** of QSE, Procurement, and Skills Management digital workflows
- Architected and implemented **RESTful APIs** integration for electronic signature solution (YouSign)
- **Optimized workflow** efficiency through Java-based process automation
- Engineered reliable C# solutions utilizing **WPF** and **WCF (.NET 4.8)**, designing and consuming **REST APIs** for robust service communication
- Engineered data pipeline using **PostgreSQL** and **SQL Server** for Power BI analytics and reporting
- Developed **proof of concept** applications leveraging **Docker** and **Node.js**
- **Supervised** intern and apprentice teams, providing technical guidance on project deliverables

Technologies: Java, C# (.NET), Node.js, REST APIs, Git, Docker

Tools : VS Code, IntelliJ, Github enterprise, Maven, Postman, Obsidian, Microsoft Office Suite, Power BI

Full Stack Developer (Apprenticeship) | [Pegasus developpement](#) | France

Oct 2017 - Nov 2018

Pegasus Group, founded in 1995, is a private and independent building engineering and sustainable development firm specializing in both public and private sector construction projects.

- Developed and maintained enterprise resource planning (ERP)
- Implemented full-stack modules for business operations, data extraction, and document generation
- Developed SQL Server database architecture based on application specifications
- Collaborated in 4-person Agile team using GitHub and Slack for efficient delivery

Technologies: C#, Entity Framework, .NET, SQL Server, JavaScript, Angular 5

EDUCATION & CERTIFICATIONS

Web3 Development Certification | [Alyra Blockchain School](#) | Remote, France

Sept 2024 - Jan 2025

- Advanced smart contract development
- DApp architecture and implementation
- Blockchain security best practices

Master's Degree, Information Systems | [Isitech Partner Formation](#) | Lyon, France

2017-2019

- Focus on distributed systems

Bachelor's Degree, Computer Science | Polytech Nice Sophia | Lyon, France

2014-2017

LANGUAGES

- French (Native)
- English: Professional Working Proficiency (TOEIC 800)