Thomas Moras
Software Engineer | Full Stack Developer
+1-437-435-2140 - moras.thomas@gmail.com **-** LinkedIn **-** GitHub **-** Portfolio **- Toronto, ON**
Autorized to work| Professional English | French Native

SUMMARY

Full stack developer with **6 years** of experience building enterprise solutions, specializing in scalable applications using **Next.js, Node.js, and TypeScript**. Strong foundation in **OOP, algorithms, and data structures**, with a commitment to **clean code, testing**, and **software design best practices.** Proven track record of collaborating with cross-functional teams (product, UX, DevOps) to deliver high-performance **RESTful** APIs, **microservices**, and responsive web apps. Passionate about mentoring peers, knowledge sharing, and fostering agile **workflows** through clear communication and problem-solving. Additional experience in **Web3** technologies.

TECHNICAL SKILLS

Frontend Development:
- **React/Next.js:** Advanced state management, SSR implementation, performance optimization, component architecture
- **TypeScript/JavaScript:** Strong typing, modern ES6+ features, async programming, performance optimization
- **UI Development:** Tailwind CSS, Shadcn/ui components, responsive design, cross-browser compatibility
- **State Management:** Context API, Redux, React Query for efficient data handling
- **Testing:** Jest, React Testing Library, E2E testing with Cypress

Backend Development:
- **Node.js:** RESTful APIs design and implementation, microservices architecture, API gateway patterns
- **Database Design:** SQL (PostgreSQL, SQL Server) schema design, query optimization, NoSQL solutions
- **API Development:** REST architecture, OpenAPI specifications, API security best practices
- **Performance:** Caching strategies, database optimization, load balancing considerations
- **Security:** Authentication/Authorization implementation, OWASP security practices
- **Java & C#:** Object-oriented programming (OOP), enterprise application development, Spring Boot (Java), .NET Core (C#)
- **Emerging Languages:** Actively expanding skills in Rust (memory-safe systems programming) and Go (concurrent, scalable backend services)

DevOps & Cloud:
- **Version Control:** Git, GitHub, branching strategies, code review workflows
- **CI/CD:** GitHub Actions, automated testing, deployment pipelines
- **Deployment:** Vercel, Docker containerization, environment configuration
- **Monitoring:** Application logging, performance metrics, error tracking

Additional Skills:
- **Blockchain:** Smart contract development (Solidity), Web3 integration, DApp architecture
- **Project Management:** Agile/Scrum methodologies, team collaboration, technical documentation
- **Tools:** VS Code, Postman, various IDE's, Notion, Obsidian, MS Suite, SaaS environnements

PROFESSIONAL EXPERIENCE

Personal Projects & Development Work   **Jan 2025 - Present**
Developed two modern web applications showcasing full-stack development skills and modern web technologies. Both projects use Next.js and are deployed in production
- **Lyon Marquage Website** - Developed full-stack web application for screen printing company with custom CMS allowing non-technical content management depolyed on **Vercel** and using **Supabase**
- Built automated CI/CD pipeline with **Vercel** deployment and database migrations using **Prisma ORM** and **PostgreSQL**
- **Personal Portfolio Website** - Created responsive, interactive portfolio with advanced animations and **modern UI**

components

➤ Implemented comprehensive design system using Tailwind CSS, Radix UI, and Framer Motion for optimal user experience and accessibility

Technologies: Next.js, TypeScript, PostgreSQL, Prisma ORM, Tailwind, Shadcn, Git, GitHub Actions, Supabase
Tools: VS Code, Cursor, WindSurf, Notion, Obsidian, GitHub, Vercel, Claude, Deepseek, GPT

Full Stack & Web3 Developer | Blockchain Certification Project   Nov 2024 – Jan 2025

Develop a decentralized application using programming languages suited to blockchain and web technologies, test its functionalities, and deploy it on a blockchain. Project completed during certification program.

➤ **Architected** and developed a full-stack application using Next.js, TypeScript, and Node.js
➤ **Implemented responsive UI** components using Tailwind CSS and Shadcn/ui
➤ **Developed Solidity** smart contracts following NFT and OpenZeppelin standards
➤ Built automated **CI/CD pipeline** with GitHub Actions, including test coverage reporting
➤ **Integrated blockchain** features using Web3 technologies

Technologies: Next.js, Node.js, TypeScript, PostgreSQL, Tailwind, Shadcn, Git, GitHub Actions
Tools: VS Code, Cursor, Notion, Obsidian, Github, Vercel

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 development** of enterprise-scale applications handling critical **business workflows**
➤ **Developed additional modules** using **Java** SDK and **Maven** structured projects
➤ **Built C# (.NET) applications** including WPF interfaces and WCF services for on-site intervention management
➤ **Integrated and consumed RESTful APIs** to extract complex JSON data and distribute across multiple applications
➤ **Architected microservices**-based solutions for improved scalability and maintenance
➤ Engineered data pipelines using **PostgreSQL** and **SQL Server** for analytics and reporting
➤ **Developed proof of concept** applications leveraging modern tech stack and **Docker**
➤ **Mentored** junior developers and supervised intern teams
➤ Created comprehensive technical documentation

Technologies: Node.js, Java, C# (.NET), REST APIs, PostgreSQL, SQL Server, Git, Docker
Tools: VS Code, IntelliJ, Github Enterprise, Maven, Postman, Obsidian, Power BI

Full Stack Developer (Apprenticeship)|Pegasus |France   Oct 2017 - Nov 2018

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

➤ Developed and maintained enterprise resource planning **(ERP) system**
➤ Implemented full-stack modules for business operations and document generation
➤ Designed and optimized **SQL Server database** architecture
➤ Collaborated in 4-person Agile team using **GitHub** and **Slack**
➤ Created responsive front-end interfaces using **Angular 5**

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)