Thomas Moras
Software Engineer | Full Stack Developer
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Autorized to work| Professional English | French Native

SUMMARY

Full stack developer with 6 years of experience building enterprise solutions, specializing in scalable applications using **React, Next.js, Node.js, Express, and TypeScript.** Strong foundation in **SOLID Concepts, OOP, algorithms, and data structures,** with a commitment to clean code, testing, and software design best practices. Proven experience collaborating with cross-functional teams (product, UX, DevOps) to deliver high-performance **RESTful APIs, microservices, and responsive web applications**. Passionate about leveraging **modern technologies** including Blockchain, AI, and Web3 to build impactful solutions while fostering **agile workflows** through clear communication and effective problem-solving.

SKILLS

Frontend Development:
- **React/Next.js:** Advanced component architecture, hooks, performance optimization, SSR implementation
- **TypeScript/JavaScript:** Strong typing with TypeScript, modern ES6+ features, async programming, performance optimization
- **State Management:** Redux, MobX, Context API for efficient application state handling
- **Data Fetching:** TanStack Query (React Query) with Axios for server state management
- **Routing:** React Router for single-page application navigation
- **Forms & Validation:** React Hook Form with Zod schema validation for type-safe form handling
- **UI Development:** Tailwind CSS, DaisyUI components, TanStack Table, responsive design, CSS modules, styled components
- **Build Tools:** Vite for fast development and optimized production builds
- **Testing:** Jest, Vitest, Cypress for E2E testing, jsdom for DOM testing environments

Backend Development:
- **Node.js & Express:** RESTful API design and implementation, middleware development, microservices architecture
- **Database Design:** SQL (PostgreSQL, SQL Server) schema design, query optimization, NoSQL (MongoDB), Redis for caching and session management
- **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
- **Emerging Languages:** Actively expanding skills in Rust (memory-safe systems programming) and Go (concurrent, scalable backend services), Python (web development, data science, AI/ML, automation)

DevOps & Cloud:
- **Version Control:** Git, GitHub, branching strategies, code review workflows
- **Code Quality:** ESLint for linting, Prettier for code formatting, Husky for git hooks, Commitlint for commit message standards
- **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, Notion, Obsidian, MS Suite, SaaS environnements

WORK 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**
- 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.

- Implemented full-stack modules for business operations and document generation inside **ERP system**
- 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

Blockchain Development Certification	[Alyra Blockchain School](#)	Remote, France	**Sept 2024 - Jan 2025**
Master's Degree, Information Systems	[Isitech Partner Formation](#)	Lyon, France	**2017-2019**
Bachelor's Degree, Computer Science	Polytech Nice Sophia	Lyon, France	**2014-2017**

LANGUAGES

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