



Thibault Vieux

Experienced software engineer with a focus on building scalable systems and technical architecture

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RELEVANT EXPERIENCE

Technical Consultant · Freelance · Remote · Sept 2024 — Present

- Operate as an independent consultant providing expert solutions in technical architecture, system design, and full-stack development.
- Rebuilt Guest House Osaka's website to improve search visibility and turn visits into direct email inquiries.
- Built a proof-of-concept map-based AI agent leveraging RAG/MCP framework for traveler recommendations.

Senior Backend Software Engineer · Cryptio · Paris · April — July 2023

- Led backend team in transforming digital asset data into auditable financial records using NestJS, React and TypeScript.
- Optimized PostgreSQL database performance for high-volume crypto accounting, reducing query latency.

DevOps Engineer · PayFit · Paris · Jan 2021 — Mar 2023

Fullstack Software Engineer · Apr 2018 — Dec 2020

- Managed and scaled Kubernetes clusters, enhancing platform reliability and automating CI/CD pipelines.
- Implemented Infrastructure as Code (IaC) using Terraform, automating environment provisioning and reducing manual work by 80%.
- Improved system observability and reduced incident response time using Datadog monitoring.
- Developed internal tools that automated critical government compliance tasks, saving 20+ hours per week.
- Architected high-performance GraphQL dashboards with fuzzy search for managing massive JSON datasets.
- Engineered real-time data synchronization pipeline between MongoDB and Elasticsearch using event-driven CDC architecture.

Fullstack Developer · Heek · Paris · Apr — Oct 2017

- Built a conversational AI chatbot that generated custom websites based on user input.
- Collaborated within an agile team to ship features and iterate on the product.

Mobile Application Developer · Export Japan · Osaka · May — Sep 2016

- Implemented a BaaS server to enable secure multi-account management for a hybrid mobile application.
- Built a cross-platform mobile app utilizing smartphone capabilities including GPS, NFC, and haptic feedback.

SKILLS

Programming Languages

JavaScript (ES2015+), TypeScript, HTML, CSS, Rust, SQL, GraphQL, Python

Libraries & Frameworks

React, Next.js, Node.js, Angular, Tailwind CSS, Framer Motion, Postgres, MongoDB, Convex

Tools & Platforms

Git, GitHub, Linear, Elasticsearch, Docker, Kubernetes, Terraform, MongoDB, Postgres, Vercel, AWS, Figma

LANGUAGES

French Native, English Fluent, Japanese Conversational

SELECTED PROJECTS

Guest House Osaka

Static guesthouse website with localized content, optimized media, and a lightweight inquiry flow

Remote GPIO

Rust-based GPIO control system for remote hardware management with web interface

Pentest Workshop

Educational penetration testing workshop materials and comprehensive security tools

EDUCATION

Master in Computer Science

CY Tech

Smart Systems · 2015 — 2017

Valedictorian of engineering school. Returned to teach penetration testing and network security after graduating.

Bachelor in Computer Science

Université Paris Cité

Artificial Intelligence · 2013 — 2015

Gained proficiency in Java and Python with comprehensive coursework in algorithms, mathematics, and machine learning.