

Marouane Touzani

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PROFESSIONAL SUMMARY

Senior Full-Stack Engineer and former Sanofi Team Lead with 10+ years building and delivering production systems at TotalEnergies, Sanofi, Monoprix, and SNCF. Daily practitioner of AI-assisted development with Claude Code, shipping 90%+ AI-generated code in production workflows. Specialized in Node.js, React, TypeScript, and AWS cloud-native architectures. Proven track of high-velocity delivery (3-4 deployments per week) and leading cross-functional teams in complex international environments. Fluent in French and English.

CORE COMPETENCIES

AI-Assisted Development (Claude Code)	Node.js / NestJS	React / TypeScript	AWS (Fargate, DynamoDB, Step Functions)
High-Velocity Delivery	Team Leadership (up to 9 engineers)	Enterprise System Integration	Agile / Scrum

WORK EXPERIENCE

TotalEnergies TDF

June 2024 - Present

Senior Engineer / Front-End Technical Lead

- Designed and owned the cloud-native AWS architecture (Fargate, Docker, NestJS), establishing technical standards and CI/CD pipelines for high-cadence deployments across multiple squads.
- Led end-to-end delivery of a production Costing Tool for renewable energy project teams, integrating AI-assisted development workflows with Claude Code to accelerate feature delivery.
- Defined a scalable Design System in React and TypeScript adopted across multiple squads, ensuring consistency and reducing UI development time.
- Collaborated directly with Product Owners and business stakeholders, translating costing workflows into high-impact production features with rapid iteration cycles.

Sanofi

January 2023 - June 2024

Team Lead, Applied Data & AI Web Platform

- Led a team of 5 engineers delivering a web platform combining Big Data and Machine Learning to power precision marketing in a global pharmaceutical context.
- Partnered with Data/ML teams in Spain to integrate predictive models and LLM-assisted workflows for marketing content support and data exploration.
- Owned code quality, performance, and reliability in a regulated environment; drove systematic code reviews and pair programming culture.
- Led Design System migration and defined technical roadmaps for long-term UX consistency and maintainability across Angular and Node.js services.

Monoprix.fr

September 2020 - December 2023

Lead Developer, Transactional Systems (OMS)

- Created and led the Order Management System engineering team (6 engineers) during peak COVID-19 demand, maintaining high availability and throughput for e-commerce operations with multiple daily deployments.
- Defined best practices for code quality, reliability, and performance; implemented targeted optimizations that significantly reduced latency and improved system throughput under load.
- Built event-driven microservices with Node.js, GraphQL, GCP, and Kubernetes to handle transactional workloads at scale.

SNCF Gares & Connexions

February 2017 - August 2020

Lead Developer, Real-Time Passenger Information (EVA)

- Led a team of 9 developers to improve the quality and reliability of real-time travel information across stations nationwide, achieving 99th-percentile latency targets.

- Designed offline-capable architectures with local servers to maintain service continuity in degraded network conditions.
- Oversaw CI/CD pipelines, multi-environment deployments with a focus on observability, fault tolerance, and rapid delivery cadence on AWS and Kubernetes.

Aurea.com

December 2015 - January 2017

Front-End Developer

- Contributed to a source code analysis tool and an email marketing platform, building multi-language interfaces with continuous deployment on AWS via Docker and Jenkins CI.

PROJECTS

career-ops AI-Native

AI-powered job search automation built entirely with Claude Code. 90%+ AI-generated codebase (~15K lines) delivering pipeline tracking, offer evaluation, CV generation, and portal scanning. Demonstrates daily AI-assisted development workflow at production quality.
Node.js, TypeScript, Playwright, Claude Code, YAML, HTML/CSS

Learnadoo Co-Founder

Co-founded an EdTech startup: built a collaborative SaaS learning platform (web + mobile), conducted customer discovery, designed visual identities, and pitched to educators and investors.
AngularJS, Angular Material, Symphony2, REST APIs, MongoDB, Android

EDUCATION

Engineering Degree (Diplome d'ingenieur) - FSTG Marrakech	2015
University Diploma of Technology (DUT) - EST Fes	2012

CERTIFICATIONS

MongoDB University Certification	MongoDB	2015
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SKILLS

AI & LLMs: Claude Code, Anthropic Claude, prompt engineering, agent workflows, evaluation frameworks
Backend: Node.js, NestJS, TypeScript, REST, GraphQL, microservices, event-driven systems
Frontend: React, Angular, TypeScript, Design Systems, accessibility
Cloud & DevOps: AWS (Fargate, Step Functions, DynamoDB, S3), GCP, Kubernetes, Docker, CI/CD
Data: MongoDB, PostgreSQL, Snowflake, Redis, RabbitMQ, Cloud Pub/Sub, Elasticsearch
Languages: French (native) | English (fluent) | Arabic (native)