

# WASSIM TLILI

Full-Stack Software Engineer | React • Next.js • Node.js • TypeScript

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LinkedIn • GitHub • Portfolio

Based in Tunisia — free to relocate anywhere • open to on-site, hybrid and remote



## PROFILE

Software engineer with an Engineering Degree in Software Engineering and 3+ years building and shipping production web and mobile applications across a startup, an agency and an independent freelance practice. Core stack: **React, Next.js, Node.js and NestJS in TypeScript**, over PostgreSQL and MongoDB, with AWS and Azure deployment. Work is backed by automated **Playwright and Selenium** test coverage, so what ships holds up after release. Currently at Smarteo on a taxi fleet management and analytics platform used daily by operators. Free to relocate anywhere, and looking for a team where I can own features end to end.

## TECHNICAL SKILLS

**Languages** : TypeScript, JavaScript (ES6+), PHP, SQL

**Frontend** : React.js, Next.js 14/15 (App Router, SSR/ISR), Tailwind CSS, RTL / i18n (Arabic & French)

**Backend** : Node.js, NestJS, Express.js, Laravel, REST APIs, SSE streaming, background jobs

**Mobile** : React Native, Expo

**Databases** : PostgreSQL, MongoDB, Prisma ORM, Supabase | MERN stack end to end

**Cloud & DevOps** : AWS, Microsoft Azure (Blob Storage, app hosting), Docker, Vercel, VPS deployment, Git / GitHub / GitLab CI

**Testing & QA** : Playwright, Selenium (Page Object Model), end-to-end and regression suites, release verification, defect reporting

**Auth & payments** : JWT, OAuth 2.0, role-based access control, Stripe, SkipCash (Gulf gateway)

**AI engineering** : Azure OpenAI, GPT-based assistants, prompt engineering, streaming chat UX, AI-assisted content validation

**3D & immersive web** : Three.js, React Three Fiber, Drei, glTF/GLB asset pipeline, 360° panoramic tour viewers, WebGL performance tuning

**Languages spoken** : Arabic (native), French (fluent), English (professional working proficiency)

## PROFESSIONAL EXPERIENCE

### Software Engineer

Jun 2026 – Present

*Smarteo — Tunisia* | Smart taxi-meter platform sold to fleet operators: device tracking, fleet management and business analytics

- Build a full-stack fleet management platform around the company's smart taxi meters, covering device tracking, trip data and day-to-day operations for taxi operators.
- Implemented real-time vehicle tracking and trip telemetry pipelines from in-vehicle counters through to the operator dashboard.
- Developed analytics and business reporting modules (revenue, driver activity, fleet utilisation) used by operators to run their business.
- Build and maintain **Playwright** end-to-end test suites across tracking, dispatch and dashboard flows, catching regressions before release.
- Deploy and operate services on **Microsoft Azure**, and build Three.js visualisation within a team shipping on short cycles.

### Full-Stack Web Developer

Jan 2026 – Jun 2026

*Quicky Prime — Tunisia*

- Shipped production systems in Next.js, NestJS and Node.js, owning features from data model through to deployed interface.
- Designed scalable front-end architecture (App Router, server components, shared component libraries) and deployed via Vercel.
- Built interactive 3D and 360° experiences with Three.js / React Three Fiber, including a panoramic tour viewer and an arc-layout property gallery.
- Added automated end-to-end test coverage protecting critical booking and checkout flows before release.

### Full-Stack Developer — Freelance

May 2023 – Dec 2025

*Independent / Remote — multiple international clients*

- Delivered web and mobile applications end to end for recurring clients using MERN, Next.js and React Native stacks.
- Owned requirements gathering, architecture, delivery and post-launch support directly with clients across time zones.
- Implemented Selenium (Page Object Model) automation suites, Three.js interfaces and AWS / Azure cloud deployments as part of client delivery.

**Web Development Specialist**  
NextGen Coding | Promoted from Web Development Intern within four months

May 2025 – Oct 2025

- Built AI-powered SaaS features on Azure OpenAI and the AI SDK, including streaming assistant responses and structured content generation.
- Integrated Stripe subscription billing and secure JWT / OAuth authentication flows.

**Mobile Application Developer**  
Azul Agency

Oct 2025 – Nov 2025

- Developed mobile application features with React Native, Node.js and Tailwind CSS on a fixed delivery timeline.

**Earlier internships**  
Skillware • KickCode Solutions • Com-and-Dev

Jul 2023 – Apr 2025

- **Skillware** (Feb–Apr 2025) — MERN stack features across MongoDB, Express and React.
- **KickCode Solutions** (Jun–Sep 2024) — backend REST APIs with Express.js and MongoDB.
- **Com-and-Dev** (Jul–Aug 2023) — dynamic portfolio application in Laravel.

SELECTED PROJECTS

**CityVerse — Virtual Tourism & SaaS Platform** (final-year engineering project)  
Immersive tourism platform combining Three.js 3D scenes and 360° virtual tours with an AI conversational guide. Token-based marketplace with Gulf payment gateway integration (SkipCash), Azure Blob Storage for media, Docker / VPS deployment. Architected an AI-assisted virtual tour editor on top of the platform.

**MedQ — AI Medical Education SaaS**  
Full-stack platform in Next.js 15, TypeScript, Prisma and PostgreSQL. Azure OpenAI integration for question validation and explanation generation, with SSE streaming, OAuth authentication and an admin analytics dashboard.

**3D Real Estate Experience — Three.js / React Three Fiber**  
Interactive property showcase with a stylised clay scale-model scene, arc card-rack gallery and a high-fidelity 360° panoramic viewer benchmarked against Street View / Matterport quality. Included glTF asset sourcing and web performance optimisation.

**NexieGuide — AI University Orientation Platform**  
GPT-powered decision support system with multi-session chat, Arabic RTL / LTR support, custom scoring algorithms and a Prisma-based architecture.

**AutoRent Pro — Car Rental Management System**  
MERN SaaS with booking engine, Stripe payments, JWT authentication and an admin fleet management dashboard.

**MoneyMaster — Mobile Finance App**  
React Native application with Supabase authentication, RTL support and real-time expense tracking.

EDUCATION & CERTIFICATIONS

**Engineering Degree (Diplôme d’Ingénieur, 5 years) in Software Engineering**  
EPI Digital School — Sousse, Tunisia

2021 – 2026

- Certifications**
- AWS Cloud Quest: Solutions Architect — Amazon Web Services (Jan 2026)
  - AWS Academy Graduate, Cloud Foundations — Amazon Web Services (Dec 2024)
  - Generative AI: Prompt Engineering Basics — IBM (Feb 2026)