Montassar Tantouch

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montassartantouch.me | *6-month end-of-studies internship from mid-Dec. 2026, on-site or remote*

Profile

Software engineer who ships complete products and the platform under them: **3** products running on AWS and Vercel, **1,600+** automated tests written across them, and **2** industry internships. Strongest in TypeScript, Python, AWS/Terraform, CI/CD and LLM agents.

Education

TEK-UP University — Tunis, Tunisia
Engineering Degree in Software Engineering and Information Systems (Master's level) — *Expected Jun. 2027*

- Diplôme National d'Ingénieur en Informatique (GLSI), final (**3rd**) year. Cloud, DevOps, architecture, ML; preparing AWS SAA-C03.

Experience

Software Engineer Intern — Jun. 2026 – Aug. 2026
Socomec Group, IT Department — *Tunisia*

- Co-designed the CQRS backend (ASP.NET Core 8, MediatR) of **PickPrint**, a shop-floor app used in the group's factories; built its audit trail covering **100%** of changes (JSON diff, context, reason).
- Split a training-management monolith into **8** N-tier projects (**34** entities; Active Directory, Sage ERP).
- Designed an edge-to-IT data pipeline (MQTT, Node-RED, TLS, store-and-forward) to SQL Server and Grafana.

Full-Stack Engineer Intern — Jun. 2025 – Aug. 2025
ArabSoft — *Tunis, Tunisia*

- Rebuilt a legacy HR system (Flask, MongoDB, React/TypeScript) with validated Excel import and role-based access, cutting manual processing time by **30%**.

Freelance Web Developer — Aug. 2025 – Nov. 2025
Cyraunis travel agency — *Tunis, Tunisia*

- Built and launched cyraunis.tn (PHP, MySQL, JS): hotel catalogue, bookings, visa requests, staff back office.

Projects

Keel (live demo), solo | *AWS, Terraform, TypeScript, ECS, Bedrock, GitHub Actions* — Oct. 2026 – Present

- Platform that checks, ships and proves every cloud change on **2** AWS accounts: events SHA-256 chained and locked write-once (tamper test caught); every pull request gated by Checkov, OPA/Rego and a cost check (a NAT gateway, **+$40.15**/month, blocked).
- Zero-downtime ECS releases at **10%** a minute: a deploy guard stopped a broken release before customers (**0** failed vs **803**); a step judge stopped **2** more at 10% of users.
- AI incident responder: Claude on Bedrock diagnoses an alarm in **8 s** with cited evidence; the rollback runs only after a person approves, traced in CloudTrail.

SafeFix (safefix.dev), solo founder | *TypeScript, Next.js, PostgreSQL, AWS, Terraform, MCP* — Oct. 2026 – Present

- Security scanner for AI-built apps: **30** read-only checks in **6** areas (RLS, storage, leaked keys, config, Docker, CI), shipped on npm as a CLI and an MCP server (**4** tools) for Claude Code and Cursor.
- **1,096** tests in CI, and the scanner audits its own code on every push; AWS in Terraform (**8** modules) for about **$29/month**, with OIDC deploys that roll back by themselves.

Calleem (calleem.tech), solo | *FastAPI, Next.js, MongoDB, Vapi, Twilio, AWS* — Nov. 2025 – Present

- Live AI phone receptionist: one voice agent per business that checks availability and books through **5** tools, then confirms by SMS; **115** API and WebSocket endpoints, multi-tenant, AES-256-GCM secrets, verified webhooks.
- **292** CI tests, **131** commits, usage-based Stripe billing.

Najahni (demo), lead developer, team of 4 | *React, NestJS, PostgreSQL, Amazon Bedrock* — Oct. 2026 – Present

- EdTech platform for private study centres: **5** roles, **133** typed API operations, **38** tables under RLS, French/English/Arabic; AI grading on Bedrock at about **$0.002** per copy, validated by the teacher; **377** API tests.

Wasel (wasel.runs-on.dev), frontend lead, team of 4 | *Next.js, FastAPI, XGBoost* — Sep. 2026 – Present

- GOMYCODE x NVIDIA hackathon: scores WhatsApp cash-on-delivery orders (LLM extraction, **96%** order detection on **279** cases, plus XGBoost). I built the **11**-page Next.js dashboard, hosting and CI; the team pipeline runs **736** tests.

Technical Skills

Languages and frameworks: TypeScript, Python, SQL, C#, PHP; Next.js, React, NestJS, Node.js, FastAPI, Flask, ASP.NET Core
Cloud, DevOps and data: AWS (ECS, Lambda, EventBridge, DynamoDB, RDS, KMS, Bedrock), Terraform, Docker, GitHub Actions, OPA/Rego; PostgreSQL, MongoDB, Redis
AI: LLM agents and tool calling, MCP servers, voice agents (Vapi, Twilio), structured extraction, RAG
Spoken: Arabic (native), French (fluent), English (fluent), Spanish (basic, reading)