

MONTASSAR TANTOUCH

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

PROFILE

Final-year software engineer who ships complete products: **3** products running on AWS and Vercel, **1,600+** automated tests written across them, and **2** industry internships. Strongest in TypeScript, Python, AWS/Terraform and LLM agents.

EDUCATION

TEK-UP University

Engineering Degree in Software Engineering and Information Systems (Master's level)

Tunis, Tunisia

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

Socomec Group, IT Department

Jun. 2026 – Aug. 2026

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

ArabSoft

Jun. 2025 – Aug. 2025

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

Cyraunis travel agency

Aug. 2025 – Nov. 2025

Tunis, Tunisia

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

PROJECTS

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 passing in CI, and the scanner audits its own code on every push; Row Level Security on **19/19** tables (**72** policies).
- AWS fully in Terraform (**8** modules: EC2, RDS, Cognito, SES) for about **\$29/month**; OIDC deploys roll back by themselves if unhealthy after **4** min. *Next: GitHub App, one-click Supabase connect, first agency pilots.*

Callem (callem.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.
- 201** CI tests, **131** commits, usage-based Stripe billing. *Next: AI replies on SMS and WhatsApp.*

Najahni (demo), lead developer, team of 4 | React, NestJS, PostgreSQL, Amazon Bedrock

Oct. 2026 – Present

- Building the full stack of an EdTech platform for private study centres: **5** user roles, **133** typed API operations, **38** tables under PostgreSQL RLS, French/English/Arabic (right to left).
- AI grading on Amazon Bedrock at about **\$0.002** per copy, always validated by the teacher; **377** API tests (**207** unit, **170** integration on real PostgreSQL). *Prototype running on AWS; next: photo hand-ins and SMS reminders.*

Wasel (wasel.runs-on.dev), frontend lead, team of 4 | Next.js, FastAPI, XGBoost

Sep. 2026 – Present

- GOMYCODE x NVIDIA hackathon, still growing: scores WhatsApp cash-on-delivery orders with verified LLM extraction (**96%** order detection on **279** test cases) plus XGBoost (AUC **0.78** on synthetic data).
- Built the **11**-page Next.js dashboard, hosting and CI; the team's pipeline now runs **640+** tests and blocked **100%** of unsafe reply drafts in evaluation.

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 (EC2, RDS, SES, Route 53, Bedrock), Terraform, Docker, GitHub Actions; PostgreSQL (RLS), MongoDB, SQL Server, Redis, MQTT

AI: LLM agents and tool calling, MCP servers, voice agents (Vapi, Twilio), structured extraction, RAG

Spoken: Arabic (native), French (fluent), English (fluent), German (A2, learning), Spanish (basic, reading)