Baha Eddine Hamdi

Junior Software Engineer · Full-stack, SQL and production delivery

Sfax, Tunisia · baha.etc@gmail.com · bahaeddinehamdi.space · linkedin.com/in/bahaeddine-hamdi · github.com/BohBOhTN

SUMMARY

Junior software engineer who builds, deploys and supports production systems for small businesses. Four client systems are live today, each shipped through CI, staging sign-off and versioned releases. Strongest in TypeScript, Node.js, React and PostgreSQL, with Docker delivery to VPS servers. Works directly with business owners, documents decisions and reviews AI-assisted code.

EXPERIENCE

Full-Stack Software Engineer · Aegis ERP

Mar 2026 – Sep 2026

MED AZAIEZ ENERGIES · Client project, freelance · Sfax

- Designed and shipped a production ERP and POS (point of sale, multi-site stock, purchasing, treasury, B2B and B2C clients) on Express 5, Prisma, Zod and PostgreSQL: 38 data models, 13 releases, 70 test files.
- Built an offline-first point of sale (IndexedDB queue, replay with idempotency keys) and protected every stock, debt and payment change with transactions, concurrency controls, RBAC and an audit trail.
- Automated delivery with Docker, GitHub Actions, GHCR and Nginx, with health checks and encrypted PostgreSQL backups. Final-year project, defended as a live system.

Full-Stack Developer · Dar El Barka

Sep 2026 – Present

Bakery management system · Client project, freelance

- Built the bakery's mobile-first management app in French (till, orders, suppliers, stock, distributors, expenses, staff advances, analytics): 52 data models, 12 releases.
- Every change goes through a written brief, a pull request and a CI gate (204 Vitest files, OpenAPI contract check, schema drift guard, Playwright at three widths), then owner sign-off on staging.
- Idempotent payment commands, database-computed balances, a before-and-after audit journal, dynamic RBAC and structured logs with correlation IDs.

Full-Stack Developer · Flora Access

Jan 2025 – Present

E-commerce platform · Freelance · floraaccess.com

- Built and operate the storefront and admin (React, Vite, Express, PostgreSQL) for a 386-product catalog: guest checkout, cash on delivery, order tracking, WooCommerce export.
- Google Merchant XML feed with validated identifiers, URLs and images; GA4, Meta and TikTok tracking with server-side conversions deduplicated against browser events.

Full-Stack Developer · PCA Car Rental

Oct 2025 – Present

Vehicle rental management · Freelance · Sfax

- Built the agency's fleet system end to end (React, TypeScript, Express, Prisma, PostgreSQL, 14 data models): reservations, payments, maintenance and incidents.
- Guided pickups and returns with photo evidence, a 90-day availability matrix and per-module permissions; documents on S3, images shipped to a VPS by GitHub Actions.

Software Engineering Intern · Smart School ERP

Jul 2025 – Aug 2025

ITDT · Internship

- Built most of a prototype ERP to replace a partner school's legacy system: Express and Prisma API, 15 documented modules, 18 data models, configurable report cards.
- React and TypeScript front end in English and Arabic (right-to-left); role access covered by tests.

Earlier experience · ICI Startup · IDF ECOBAT · PalmInfluence · OceanBit

2023 – 2025

Freelance and internship · quotation and invoicing workflows, client websites

- Remote React internship at OceanBit, working in an existing team codebase.

SKILLS

Languages	TypeScript, JavaScript, Node.js, Express, React, Vite, Tailwind, React Query, Zustand, Python (scripting)
Data and APIs	SQL, PostgreSQL, Prisma, Zod, REST, OpenAPI, JSON, CSV, XML, transactions, idempotency
Delivery	Git, GitHub Actions, CI/CD, Docker, Docker Compose, Nginx, Linux, health checks, backups, AWS (S3)
Quality	Vitest, Jest, Playwright, contract testing, audit logging, RBAC, JWT

EDUCATION

Bachelor's Degree in Computer Engineering (Licence)

International Institute of Technology (IIT), Sfax · 2022 – 2026

Final-year project: Aegis ERP, running in production.

ADDITIONAL

Certification	AWS Cloud Quest: Cloud Practitioner (2025)
Languages	Arabic (native), English (B2), French (B1)