

Nassim Farhat

Full Stack Software Engineer | Java • Spring Boot • .NET • Next.js • AI

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Profile

Software engineer holding an Engineering Degree in Software Engineering & Decision Systems from IIT Sfax and a Professional Master's in Information Systems and Networks from ISET Sfax. Full-stack developer specialized in AI-powered applications, scalable web/mobile systems and clean architectures (REST API, RBAC). Experienced with NestJS, FastAPI, Spring Boot (Java), .NET and Next.js, in the design of RAG pipelines, LLM-integrated backends and production-ready REST APIs, following Agile/Scrum methodology and CI/CD practices.

Skills

Languages: Java, C#, TypeScript, JavaScript, Python, PHP

Backend: Spring Boot, .NET / ASP.NET Core, NestJS, FastAPI, Node.js, Express.js, Django, Laravel, Symfony

Frontend & Mobile: React, Next.js, Angular, Flutter, HTML5, CSS3, Tailwind CSS

Databases: PostgreSQL, MySQL, MongoDB, Redis

DevOps & Tools: Docker, Git, GitHub, GitLab, Linux, CI/CD, JWT, Keycloak, OAuth2

AI & Data: LLM Integration, RAG Pipelines, LangChain, Gemini, Hugging Face, NLP, Celery, ETL, Data Warehousing, Power BI

Architecture & Methodologies: REST API, Swagger/OpenAPI, RBAC, Clean Architecture, Microservices, Agile/Scrum

Professional Experience

MemoWall

Sfax, Tunisia

Full-Stack Developer / AI Engineer — End-of-Year Internship (Engineering)

07/2026 – 08/2026

- Productivity application combining memo management, a wiki-style knowledge graph, a calendar and a kanban system.
- Intelligent note classification with Gemini (automatic tags, summaries and action suggestions).
- JWT authentication, email / Web Push notifications and deployment as a Progressive Web App (PWA).

Stack: React · TypeScript · Tailwind CSS · Node.js · Express · Gemini · JWT

WebVue

Sfax, Tunisia

AI Software Engineer — End-of-Studies Internship (Master's)

02/2026 – 06/2026

- Design of Coach Commercial AI, an AI-driven sales coaching ecosystem: call evaluation, RAG-based document assistance, manager dashboards and activity tracking.
- Development of SalesIQ (evaluation grids, benchmarks, RAG indexing) and CoachMate (contacts, calendar, audio evaluation, dashboards and AI chatbot).
- Audio evaluation pipeline with Celery, Speech-to-Text, diarization and critical-signal detection via RAG; RBAC and Docker.

Stack: NestJS · FastAPI · PostgreSQL · Redis · Celery · Docker

PixiMind

Sfax, Tunisia

Software Engineer — End-of-Studies Internship (Bachelor's)

02/2024 – 05/2024

- Development of a recruitment platform automating candidate evaluation.
- Design of REST APIs with NestJS, integrated with a React / Next.js interface.
- Secure authentication with Keycloak and application tracking / management modules.

Stack: NestJS · Next.js · React · TypeScript · Keycloak · Tailwind CSS

Hypermedia

Sfax, Tunisia

Web Developer — Internship (Bachelor's)

01/2023 – 02/2023

- Development of an inventory management application (web interfaces, CRUD, item and movement tracking).
- Implementation of screens and business logic on the Laravel side for inventory tracking.

Stack: Laravel · PHP · MySQL · HTML/CSS · JavaScript

Tunisie Telecom

Sfax, Tunisia

Network & Development Intern

01/2022 – 02/2022

- Assisted with configuration and maintenance of network systems.
- Collaborated with the technical team on the implementation of network solutions.
- Developed a small application allowing users to browse the company's offers.

Stack: Networking · HTML/CSS · JavaScript · PHP

Projects & Freelance

Part-time

Sfax, Tunisia

Full-Stack Developer / AI Engineer

2023 – Present

- **ISBOT** — LLM- and RAG-based campus assistant for student autonomy. Stack: LLM · RAG · LangChain · Hugging Face
- **LabFlow** — Laboratory workflow management with RBAC. Stack: REST API · PostgreSQL · RBAC
- **TowerHouse** — BI platform: ETL workflows and Power BI dashboards. Stack: ETL · Power BI · Data Warehouse

Education

IIT Sfax

Sfax, Tunisia

Engineering Degree

2024 – Present

Software Engineering & Decision Systems

ISET Sfax

Sfax, Tunisia

Professional Master's Degree

2024 – 2026

Information Systems and Networks — High Honors

ISET Sfax

Sfax, Tunisia

Bachelor's Degree

2021 – 2024

Information Systems Development — High Honors

Languages

Arabic (native) | French (Fluent) | English (Fluent)