

# Hatem Lamine


Full-stack software engineer

## Application context:

I am a full-stack software engineer with over 3 years of experience, based in Tunis, Tunisia. Currently, I'm a 5th-year software engineering student at INSAT, and I'm planning a **mandatory 6-month end-of-study internship** starting anytime after I'll have completed my studies on 13/01/2024.  
(PS: This is how I managed studying while working full-time in the past.)

[My portfolio](#) 

[My web-apps](#) 

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## EXPERIENCE

### Full-stack Software Engineer 12/2021 - 11/2023 (2 yrs)

XQuant - Seoul, South Korea · Full-time · Remote

- Proposed and implemented an infinite scrolling solution resulting in an exceptional user experience and a **10x performance increase**. (Through transforming an initial 6 seconds loading time into virtually unnoticeable 50ms loading times as the user scrolls down.)
- Participated in PR reviews to maintain quality standards.
  - Made decisions paired with constructive comments and feedback, to approve or reject merges involving multiple features, fixes, and refactors.
- Wrote **end-to-end** high-quality code for complex features.
  - Such as comparing two documents side by side (like github commits), managing user workspaces, and exposing analytical statistics for contract documents.

Tech: Next.js · React · Node.js · TypeScript · Tailwind · Radix UI · React Query + Axios · React Hook Forms · Zod · Docker

### Full-stack Software Engineer 11/2020 - 10/2021 (1 yr)

EY - Tunis, Tunisia · Full-time · On-site

- Set-up advanced API endpoints with optimized DB queries, and schema validation.
  - Created customizable frontend pages and components that consume them while maintaining end-to-end type safety, **graceful error handling**, and **efficient caching**. (In collaboration with the UX/UI design team.)
  - Designed **optimal data structures** for complex features.
- Set up **End-to-End Tests** using Cypress with a Test-Driven Development (TDD) approach.
- Contributed to the architectural decisions for two modules within GTES (EY's Global Tax E-invoicing Solution), **ensuring a precise alignment with the business requirements**.

Tech: Next.js · React · Node.js · TS · Tailwind · React Query · React Hook Forms · Zod · Figma · Docker · Cypress

### Full-stack Web Developer 04/2020 - 09/2020 (6 mos)

Keyrus - Tunis, Tunisia · Internship · On-site

- Migrated a large expense management solution from Nuxt.js 2 to Nuxt.js 3 and created end-to-end features.

Tech: Vue 3 · Nuxt 3 · TS · Node.js · Express.js

### Front-end Web Developer 01/2020 - 02/2020 (2 mos)

UpKurs - Tunis, Tunisia · Internship · On-site

- Implemented 20% of the front-end material for a video-conferencing app, in collaboration with the UX/UI team.

Tech: Angular · TS · CSS · Node.js · Nest.js · Figma

## TECH STACK

- Full-stack:** Next.js, React, Node.js, TS, React Query, Axios, Zustand/Jotai, Tailwind CSS, Radix UI, Shadcn UI, React Portals, MySQL, Redis, PostgreSQL, PlanetScale, UpStash, Drizzle ORM, Prisma, NextAuth, Clerk, Stripe, React Hook Forms, Zod, Figma, Express.js, tRPC, Cypress, Playwright.
- DevOps:** Docker, Kubernetes, Jenkins, AWS, Azure, Vercel.
- Basics:** TypeScript, JavaScript, CSS, HTML, Git.
- Concepts:** Performance Optimization, Queries & Caching, Error Handling, Testing, TDD, Software Architecture, UX/UI Design, SEO.

## EDUCATION

INSAT University - Tunis · 2019 – Present (5th year).

Software engineering

Expected software engineering degree in 2024.

Pioneer High School Of Nabeul · 2015 – 2019



Baccalaureate mathematics

Grade: 17.41/20, honors. Rank: 642

## PROJECTS

### Best in Role (peaked 50k+ users)

Esports Voting Platform & Leaderboard, created for the 2023 League of Legends World Championship event.

 [Demo](#)  [Website](#)  [Source](#)  [My Design](#)  [Web Vitals](#)

Targeted application requirements:

- 1- Performance - Immediate reactivity through:
  - optimistic updates, lazy loading, efficient caching, parallel queries. Lighthouse Performance score: 100.**
- 2- Intuitive, clean UX/UI design: color shades, whitespace, visual hierarchy, responsiveness, attention allocation.
- 3- SEO: Metadata, favicons, sitemaps, OpenGraph images.
  - advertised it through self-promotion & reaching out to influencers on X (Twitter), Reddit, and Twitch.
  - Lighthouse SEO score: 100.
- 4- Maintainability: **Type safety end-to-end, schema validation**, customizable typesafe reusable components.

Tech: Next.js App Router & Route handlers · React · Node · TS  
React Query · Tailwind · ShadcnUI · MySQL · PlanetScale · Zod

### E-Commerce + Dashboard & CMS ([Demo](#) / [Website](#) / [Source](#))

- Admin Dashboard exposing statistics such as total revenue, sales, and products in stock + a highly customizable CMS.
- Multi-platform image upload, auth, stores with seamless navigation & filtering, and cart management & payment.

Tech: Next.js 13.4 · React · Node · TS · React Query · Tailwind · Shadcn UI · Zod · React Hook Form · Stripe · MySQL · PlanetScale.

### Text Similarity API ([Demo](#) / [Website](#) / [Source](#))

- Measures text similarity using OpenAI's utilities, and a comprehensive **API key system with rate limitation**.

Tech: Next.js 13.2 · React · Node · TS · Tailwind · Radix UI · PlanetScale · Prisma · Upstash · NextAuth.

### Spotify 2 ([Demo](#) / [Showcase](#) / [Website](#) / [Source](#) / [My Design](#))

- A redesigned Spotify experience via your real Spotify account.

Tech: Next.js · React · [Spotify API](#) · NextAuth · OAuth & JWT

## LANGUAGES

- English
- French
- Arabic

## HOBBIES

- [Piano](#), music theory, [design](#), hiking, journaling, working out.