



Hatem Lamine

Full-Stack Software Engineer

[My Portfolio](#)

[My Projects / Freelance Work](#)

Skills: Problem Solving, Software Architecture, Data Modeling, Product and Feature Design, Back-end and Front-end Development, Performance Optimization, Testing, DevOps, UX/UI Design and Development with a high level of attention to detail.
Programming & Markup Languages: TS, JS, CSS, HTML, SQL, Python, Java, C++ / OOP
Technologies: As listed in the 'Experience' and 'Projects and Freelance' sections.
Soft Skills: Initiative, Feedback Exchange, Learning, Work Visibility, Critical Thinking
Languages: English (TOEFL) , French , Arabic

Clermont-Ferrand, France

hatem.lamine.work@gmail.com

+33 (0) 751 543 516

[LinkedIn](#)

[GitHub](#)

Hobbies: [Design](#), [Piano](#)

EDUCATION

Master's degree (M2) in Computer Science, Software Engineering track (Dual Degree expected by 09/2025)
[ISIMA](#) · Clermont-Ferrand, France · 2024 – 2025 (ongoing)

National Engineering Degree in Software Engineering
[INSAT](#) · Tunis, Tunisie · 2019 – 2024 · **Highest Honors**

Baccalaureate Diploma in Mathematics
[Pioneer High School of Nabeul](#) · 2015 – 2019 · **Highest Honors**

EXPERIENCE

Full-Stack Software Engineer

[Inthy \(Paris, France\)](#) · 03/2024 - ongoing

(6 months on-site internship, then, 3 months part-time remote)

- Worked on 2 projects: a Truck Fleet Trip Planner and a **Real-Time** Fleet Monitoring Dashboard. Tackled **Problem-Solving**, **Product/Feature Design**, **Data Modeling**, **Software Architecture**, and DevOps, as well as writing clear, well-tested backend and frontend code. Designed and developed modern **UX/UI** with a high level of attention to detail.
- Leveraged Server-Side Rendering (**SSR**), Incremental Static Regeneration (**ISR**), **Optimistic Updates**, **Lazy Loading**, and **Caching** to improve performance and, consequently, the UX.
- Handled **SSO** Authentication for multiple apps at once with **Keycloak** and **OpenID Connect**, implementing **Session Cookies**, **JWTs**, and Role-Based Access Control (**RBAC**).
- Implemented **Real-Time Updates** for all vehicles' battery levels and GPS coordinates, visualized live on **rich maps** using **Leaflet.js**. Leveraged **Time-Series** Tables, **GraphQL Subscriptions**, and **WebSockets** with **Hasura**, **Apollo Client**, **GraphQL**, and **PostgreSQL**.

Tech: Next.js, React, Node.js, TS, Django, Figma, Docker, PostgreSQL, Keycloak, Hasura, Apollo Client, GraphQL, Leaflet.js, Cypress, Stripe, Cloudflare, Linear.

Full-Stack Software Engineer

[XQuant \(Seoul, South Korea\)](#) · 06/2023 - 03/2024

(3 months on-site internship, then, 6 months part-time remote)

- Worked on multiple projects for finance clients, on both web and mobile. Wrote end-to-end, clear and tested code for complex features, such as side-by-side document comparison (similar to GitHub commits) and a real-time **notification system** using Socket.io.
- Implemented **Database indexing**, **partitioning**, and **views**, resulting in **300%** faster database queries.
- Implemented **Rate Limiting** to prevent Denial of Service attacks and protect accounts from Brute Force attacks.
- Proposed and implemented an **infinite scrolling** solution for the notifications history feature, resulting in a **600%** performance increase, through transforming an initial 3+ seconds loading time into unnoticeable 50ms loading times as the user scrolls down.
- Contributed to the DevOps team's setup of a CI/CD pipeline using **Docker**, **GitHub Actions**, **Kubernetes**, **AWS EC2**, **Flux**,

as well as regression tests using **Selenium**.

Tech: SvelteKit, Next.js, Node.js, React, TS, React Native, Expo, Expo, Figma, Express, FastAPI, PostgreSQL, Socket.io, Docker, GitHub Actions, Kubernetes, AWS EC2, Flux, Selenium.

Software Engineer

[EY \(Tunis, Tunisia\)](#) · 06/2022 - 06/2023

(3 months on-site internship then 9 months on-site working student)

- Worked within a **Microservices** Architecture on CTP (EY's Client Technology Platform): designed **optimal data structures and models**, set up APIs, and carefully developed and tested a refined, detailed, and responsive UX/UI using **EY's Design System** with guidance from the UX/UI design team.
- Implemented **Service Workers** for **Push Notifications**.
- Explored Machine Learning with **TensorFlow**, Data Monitoring with **Grafana & Prometheus**, Error Management (**Sentry**), User Analytics (**Google Analytics 360**), and the **Linux** environment.

Tech: Angular, PostgreSQL, Docker, Microservices, Sentry, Figma, Service Workers, Spring boot, Grafana, Prometheus, TensorFlow.

Front-End Developer

[Upkurs \(Nabeul, Tunisia\)](#) · 06/2021 - 09/2021

(3-month on-site internship)

- Developed the front end for a video conferencing web app.

Tech: Nuxt, Vue.js, TS, CSS, NoSQL (MongoDB), Figma, Docker

PROJECTS AND FREELANCE

Best in Role (totalled 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**, **SSR**, **Database Indexing**, and **efficient Caching**. Lighthouse Performance Score: **100**.
2. Intuitive, clean **UX/UI** design: color shades, whitespace, **visual hierarchy**, attention allocation.
3. **Responsiveness for all targeted devices**: Desktop, multiple laptop screens, tablets, mobile + Cross-browser compatibility.
4. SEO: Metadata, Favicons, Sitemaps, and OpenGraph images. Lighthouse SEO score: **100**. Advertised the project through contacting influencers on X (Twitter), Reddit, and Twitch.
5. Maintainability: **E2E type safety & scalable folder structure**.

Tech: Next.js with App Router and Route Handlers, React, TypeScript, MySQL, Tailwind CSS, React Query (TanStack), Zod.

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

- Image uploading, authentication, stores with seamless **navigation** and **filtering**, cart management, **payment** (Stripe).
- A comprehensive dashboard and a **highly customizable CMS**.

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

- **Full API Key System** with **JWTs**, **Rate Limitation**, & OpenAI API.

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

- A redesigned Spotify experience **via your real Spotify account**.

My Portfolio ([Website](#) / [Source](#)) + **More projects** inside it.