# Mohamed Yassine Khiari

Software Engineer | Full Stack & AI

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## Profile

Software Engineer with hands-on experience in **Full Stack, mobile application development, and AI-powered solutions**. Experienced in building scalable web and mobile applications using **Flutter, React, Node.js, Spring Boot, and .NET**, with expertise in REST APIs, databases, cloud services, and AI integration. Experienced in developing **RAG-based assistants, AI agents, and tool-calling workflows** for real-world business applications.

## Professional Experience

**Full Stack Developer,** Telnet *Feb 2026 – Oct 2026*

- Designed and developed **Talent Manager**, a centralized HR platform consisting of a **Flutter Web application** for HR teams and **Talent Companion**, a complementary mobile application for engineers, sharing a **Node.js/Express and MongoDB** backend.
- Developed HR modules covering **recruitment and candidate tracking, skill management, 9-Box performance evaluation, objectives, employee reviews, HR statistics, and interactive dashboards**.
- Developed mobile features including **geolocation-based attendance, HR requests, team feeds synchronized with Slack and GitHub, points and badges, and AI-generated daily quizzes**.
- Integrated **three AI agents powered by LLaMA via Groq**: an HR conversational assistant using **RAG**, an automated CV analyzer, and an AI agent capable of executing business actions through **tool calling with user confirmation**.
- Integrated third-party services including **Slack API, GitHub, Cloudinary, and Nodemailer**, with secure **JWT authentication and role-based access control**.
- Deployed and integrated the backend using **Vercel**, with RESTful APIs connecting the web and mobile applications.

**Full Stack Developer,** Defendr *Jul 2025 – Sep 2025*

- Developed a **Next.js dashboard** for managing e-sports tournaments, covering tournament organization and administrative workflows.
- Built responsive and reusable UI components using **React and TypeScript** to provide a consistent experience across different screen sizes.
- Integrated **REST APIs** to retrieve and manage application data and implemented **real-time updates** to keep tournament information synchronized.
- Applied **React Hooks and frontend optimization techniques** to improve application performance, responsiveness, and user experience.
- Collaborated on the integration between frontend components and backend services, ensuring reliable data flows throughout the application.

**Blockchain / Full Stack Developer,** Slide *Jan 2023 – Jun 2023*

- Designed and developed a **Bitcoin cryptocurrency wallet** using the MERN stack, covering frontend, backend, and database components.
- Implemented an automated **Dollar-Cost Averaging (DCA)** strategy to support recurring Bitcoin purchases and systematic investment.
- Developed authentication and secure transaction workflows to protect user accounts and financial operations.
- Designed **RESTful backend services** and integrated them with the wallet interface to manage application data and user operations.
- Used **Git and Docker** to manage development environments, version control, and application deployment.
- Followed **Agile development practices** throughout the project lifecycle, including iterative development and feature delivery.

**Full Stack Developer,** Tetra *Jan 2022 – Jul 2022*

- Developed and maintained web applications using **React and Laravel**.
- Improved frontend and backend performance and reliability.
- Collaborated on development workflows using **Git and CI/CD pipelines**.

**Full Stack Developer,** Swiftsaler *Feb 2022 – Mar 2022*

- Developed an **e-commerce platform** using Symfony, HTML, CSS, and JavaScript.
- Optimized website performance and **SEO**.

**WordPress Developer,** ConceptMedia *Feb 2021 – Mar 2021*

- Developed and customized client e-commerce websites using **WordPress**.
- Managed website content, themes, and plugins.

## Education

**Engineering Degree in Computer Science, ESPRIT** *Sep 2023 – Oct 2026*
**Bachelor's Degree in Information Systems Development, ISET Rades** *Sep 2020 – Jul 2023*

## Technical Skills

**Languages:** Java, Python, JavaScript, TypeScript, C#, Dart, SQL

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

**Backend:** Node.js, Express.js, Spring Boot, .NET, REST APIs

**Databases:** MongoDB, MySQL

**Artificial Intelligence:** LLMs, RAG, AI Agents, Tool Calling, Machine Learning

**Cloud & DevOps:** Docker, Vercel, Git, GitHub, CI/CD

**Data & ETL:** Power BI, Talend

**APIs & Services:** Slack API, Cloudinary, Nodemailer, JWT

## Academic Projects

**Intelligent Medical Application** – *Spring Boot, Angular, JWT, AI*
Developed a medical application featuring secure authentication, AI-assisted symptom analysis, and appointment management.
**Khotwa – E-Learning Platform** – *Angular, Spring Boot*
Developed a platform for managing courses, users, and e-learning activities.
**Petty – Pet Adoption Mobile Application** – *React.js, Express.js*
Developed a Tinder-like mobile application for pet adoption, enabling users to discover and interact with available pets through a swipe-based interface.
**Tuniimmo – Tunisian Real Estate Platform** – *Angular, Express.js*
Developed a real estate platform for searching, browsing, and publishing property listings, with role-based features for standard and premium users. Implemented a premium listing system that prioritizes paid users' properties in search results and an immersive 360-degree viewing experience for premium listings.

## Languages

**Arabic:** Native **French:** Fluent **English:** Fluent