HATEM BEN ECHIKH

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PROFILE

Software Engineer graduated from ISAMM with 3+ years of experience specializing in full-stack development using the MERN stack. Proven track record delivering production-ready platforms for diverse industries including fitness, entertainment, education, and finance. Creator of Arabic programming content on YouTube (@HayaDev) with focus on making technology accessible to Arabic-speaking developers. Passionate about game development, AI integration, and innovative digital solutions.

PROFESSIONAL EXPERIENCE

Full-Stack Software Engineer   Jul 2024 – May 2025
Xsustain — Full-time — Bardo, Tunis

- Led full-cycle development and project management, delivering 9+ production platforms for clients including Osport Gym, AFK Art, AutoVidex, Chef Rim Beji, Sofyx, SuccesStudy, Cami-Invest, and Piramida.
- Developed enterprise-grade CRM solution integrating Twilio (SMS/Voice) and Nylas (Email/Calendar) APIs for streamlined communication workflows and customer management.
- Architected secure cloud infrastructure with CI/CD pipelines using Docker, Nginx, and GitHub Actions for scalable deployments.
- Managed direct client communication, requirement gathering, and customized solution delivery across multiple industries.
- Tech Stack: Next.js, React, Spring Boot, NestJS, Express.js, MongoDB, MySQL, Docker, Nginx, i18n

Full-Stack Developer   Feb 2024 – Jun 2024
CodeCooperation — Final Year Project Internship — Sokra, Tunis

- Co-developed Kdayes platform (kdayes.com), a comprehensive online invoicing solution for Tunisian freelancers and self-employed individuals.
- Implemented multilingual support (Arabic/French/English) using i18n for enhanced user accessibility.
- Contributed to startup's initial launch strategy, working closely with founders on technical architecture and product development.
- Applied Agile/Scrum methodology with weekly sprints and continuous deployment practices.
- Tech Stack: Next.js, NestJS, TypeScript, PostgreSQL, Prisma, Tailwind CSS

FREELANCE EXPERIENCE

Freelance Full-Stack Developer   May 2023 – Present
Ibn Khaldoun University (UIK)

- Developed comprehensive institutional platform for private university with 5 schools (Computer Science, Law, Business, Architecture, Design).
- Built dynamic admission system, course catalog, news management, events calendar, and multilingual intranet portal.
- Ensured responsive design and optimal user experience across all devices and browsers.
- Tech Stack: React.js, Express.js, MongoDB, Node.js

Full-Stack Developer   Jun 2021 – Dec 2022
Multiple Clients — Freelance

- **WeShield (Pikoro):** Developed mental health platform connecting users with psychology specialists, featuring blogs and podcasts integration.
- **Palestine-Forum:** Created community website for Montada-Palestine club showcasing activities, events, blogs, and image galleries.
- **Sami Shaffai Portfolio:** Developed content creator's personal website featuring video portfolio and partnership showcases.

EDUCATION

National Engineering Degree in Applied Sciences and Technologies 2021 – 2024
ISAMM, Manouba *Software Engineering Specialization*

Bachelor's Degree in Computer Science and Multimedia 2018 – 2021
ISAMM, Manouba

FEATURED PROJECTS

Game Development Projects:

- **Back To The Throne** (Unity): 2D platformer featuring a king's journey to reclaim his throne with challenging obstacles and enemy encounters. (Play Online)

- **2048 Poke** (Unity): Creative Pokemon-themed variant of 2048 with evolution mechanics and custom animations. (Play Online)

- **Cheddar Chase** (Unity): Dual-level promotional game combining Mario-style platforming with Plants vs. Zombies tower defense mechanics. (Play Online)

Web Development Projects:

- **IoT Car Control System** (Next.js, ESP32): Global remote car control system using internet connectivity and real-time communication protocols.

- **Watch Together Platform** (React.js, Firebase): Synchronized video streaming application enabling friends to watch content together in real-time.

Academic Projects:

- **Dental Clinic Management System:** Complete patient and appointment management platform with scheduling and medical records.

- **University Management Platform:** Comprehensive system for managing events, students, faculty, and academic projects with role-based access control.

TECHNICAL SKILLS

- **Frontend:** React.js, Next.js, React Native, Redux, TypeScript

- **Backend:** Express.js, NestJS, Spring Boot, Node.js

- **Mobile & Game Dev:** React Native, Unity, C#, Three.js

- **Databases:** MongoDB, MySQL, PostgreSQL, Firebase

- **DevOps & Tools:** Docker, Nginx, GitHub Actions, CertBot

- **APIs & Integration:** REST API, Socket.io, Twilio, Nylas

- **Languages:** TypeScript, JavaScript, Java, C#, SCSS

CERTIFICATIONS

- APTIS Certification (English) — B2 Level

- NLP Mindset Certificate

INTERESTS

- Game Development, AI/Machine Learning, IoT & Embedded Systems

- Content Creation, Arabic Tech Education, Open Source Contributions

- Music Production, 3D Graphics, Virtual/Augmented Reality