Houaida Krifa

Software Engineer

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4021 Kalaa Sghira, Sousse, Tunisia

Profile

Backend-focused Software Engineer with 3+ years experience building scalable systems. Expertise in DDD, system architecture, and high-performance solutions. Strong focus on code quality, reliability, and long-term maintainability.

Experience

ITGATE GROUP   Jan 2024 – Present

Backend JavaScript Developer , Sousse, Tunisia

- Built and maintained backend services across multiple SaaS products.

- Contributed to architectural decisions using DDD principles to ensure alignment with business requirements.

- Developed real-time messaging, advanced search, and scheduling systems.

PIXELIUM   *Nov 2021 – Jun 2023*

Full Stack JavaScript Developer, Sousse, Tunisia

- Developed end-to-end software solutions.

- Coordinated with cross-functional teams on architecture and performance.

KEY PROJECTS

ECOSHARE   *(*ITGATE GROUP*)*

A web and mobile application that connects nearby families, eco-neighbors, and school members to share daily school commutes for their children.

Stack: Nest.js, MongoDB, Linux

- Designed and developed scalable database and system architecture.
- Built core business modules with real-time features like notifications and chat.
- Implemented reporting, statistics, and export tools (Excel/PDF, charts).

ITCHECK   *(*ITGATE GROUP*)*

A mobile app facilitating connections between individuals and professionals across various sectors.

Stack: Node.js, MongoDB, Linux

- Developed and optimized secure, scalable APIs for search, reservations, and payments.
- Enhanced system performance and progressively scaled services.
- Integrated file export and storage filtering features.

UNETP   *(*PIXELIUM*)*

A web app for managing private educational institutions with enhanced data security and traceability.

Stack: React.js, Next.js, Node.js, Sequelize, SQL Server, Linux

- Designed database and system architecture for secure, scalable educational platforms.
- Developed modules for user and institution management, contribution tracking, and moderation workflows.
- Implemented advanced search with SQL queries and Excel report generation.

AHKILI   *(*PIXELIUM*)*

A web and mobile app providing psychological support with certified therapists via video/audio calls and chat.

Stack: React.js, Next.js, Node.js, MongoDB, Linux

- Designed database and system architecture for secure, scalable healthcare features.
- Developed modules for user/session management, consultations, and therapy workflows.
- Integrated notifications, payment (Stripe), and patient wellbeing analytics.

KIDS PROTECT   *(*PIXELIUM*)*

A web and mobile app helping parents monitor children's visual and mental health.

Stack: React.js, Node.js, Meteor, MongoDB, Linux

- Designed system and database for child health monitoring features.
- Developed modules for video content control, activity scheduling, and vision testing.
- Integrated notifications and statistics with charting and Excel export.

YCC (You Can By Coaching)   *(*PIXELIUM*)*

A web platform connecting individuals with experienced coaches across different fields.

Stack: React.js, Node.js, MongoDB, Linux

- Developed and optimized APIs and web interfaces with advanced search and PDF generation.
- Managed coaching session features including video/audio calls and performance tuning.

EDUCATION

Engineering Degree in Computer Science   **2021-2024**

Polytechnic School of Sousse, Tunisia

Applied Bachelor's Degree in IT: Multimedia & Web Development   **2018-2021**

Higher Institute of Technological Studies of Sousse, Tunisia

Baccalaureate in Experimental Sciences   **2017-2018**

Romana High School, Kalaa Sghira, Tunisia

LANGUAGES

English,French, Arabic