KAMEL HTIRA

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Education

Eötvös Loránd University   **September 2024 – Present (Expected 2026)**
Master's Degree in Computer Science for Autonomous Systems   *Budapest, Hungary*
- Awarded the prestigious Stipendium Hungaricum scholarship to pursue advanced studies in autonomous systems.
- Enrolled at ELTE, one of Hungary's leading institutions.

Higher Institute of Multimedia Manouba   **November 2020 – June 2023**
Bachelor's Degree in Multimedia Computing   *Manouba, Tunisia*
- Graduated with excellent honors, specializing in data structures, web development, and multimedia design.

Experience

Medianet   **January 2023 – September 2024**
Back End Developer (Full-time)   *Ariana, Tunisia*
- Develop and maintain microservices using Java, Spring Boot and Javascript in a Linux environment.
- Ensure robust security measures, including API authentication and data encryption.
- Integrate technologies like Docker for deployment and orchestration.
- Collaborate with cross-functional teams efficiently using Git and Git Flow methodology.
- Create documentation and implement tests for different features using Jest and Typescript.

E-tafakna   **January 2022 – September 2022**
Java Electronic Signature Developer (Full-time)   *Nasr, Tunisia*
- Enabled users to sign and generate contracts electronically.
- Utilized advanced cryptography libraries to ensure data security.
- Employed Java Spring Boot 3 and Javascript for backend development and React.js for frontend integration.
- Tested and analyzed application flaws, gathered user feedback, and generated detailed improvement reports.

OpusLab   **September 2021 – December 2021**
Full Stack Developer (Internship)   *Tunis, Tunisia*
- Developed a desktop and mobile application for HR management using MERN stack.
- Focused on efficiently managing student and teacher records.
- Ensured a user-friendly interface for seamless navigation and functionality.

Projects

BTS Bank Management Platform | *Java, Angular, WSO2 API Gateway, Typescript*
- Contributed to developing a user-friendly platform for managing transactions and bank accounts.
- Designed and implemented a microservices architecture with WSO2 API Gateway for API integrations.
- Focused on secure authentication for microservices and user access, ensuring data protection for financial operations.

Digital Transformation for Tunisian Customs | *Java, React.js, C++, Docker*
- Collaborated on a project to reduce paperwork and streamline administrative processes for Tunisian Customs.
- Utilized a monolithic architecture with a Java backend and React frontend.
- Developed high-performance modules in C++ and achieved efficient deployment through Docker containerization.

LET-VENUE Booking Website (End of Study Project) | *Javascript, Node.js, Next.js, KrakenD, Docker*
- Developed a Node.js-based architecture featuring a server, services, and multiple databases (MySQL, MongoDB, Redis).
- Created a frontend using Next.js and integrated APIs through the KrakenD API Gateway.
- Focused on seamless Docker-based deployment for efficient service delivery.

Medvizor - Electronic Medical Records (EMR) System | *Rust, Tauri.js, Next.js, Flutter (Dart)*
- Developed desktop EMR software using the Tauri library, with Rust for the backend and Next.js for the frontend.
- Built a complementary cross-platform mobile app using Flutter.
- Focused on seamless integration between desktop and mobile platforms to enhance user accessibility.

Technical Skills

Languages: Java, Python, JavaScript, TypeScript, C++, Dart, SQL, Rust
Developer Tools: Git, Docker, VS Code, Eclipse, Android Studio, Node.js, Tauri, Jest
Technologies/Frameworks: Spring Boot, Angular, React, Next.js, Flutter, KrakenD Gateway, WSO2 Gateway, Linux
Databases: MySQL, MongoDB, Redis

Communication And Interpersonal Skills

Microsoft Club (Public Speaking)   During Bachelor Studies

Member   *Higher Institute of Multimedia Manouba*

- Shared knowledge, topics, and articles on Microsoft products and technologies.
- Practiced and improved public speaking skills, enabling confident presentations at conferences.

Orenda Junior Enterprise   During Bachelor Studies

Vice President   *Higher Institute of Multimedia Manouba*

- Led a student-led organization simulating a consulting company, managing multiple real-life projects.
- Developed leadership and stress management skills by ensuring project delivery on time under tight deadlines.
- Gained experience in team coordination, conflict resolution, and effective communication.