Youssef Khabir | Computer Engineer | Full-Stack Developer

Tataouine, Tunisia

□* +216 29812430 • ✉[regular] youssefkh720@gmail.com

🌐 https://josephExp.com • ○ youssefkhabir • **in** yousef-khabir-232089313

DOB: 03/09/2003 | Nationality: Tunisian

Professional Summary

Experienced Computer Engineer specializing in full-stack development with **Angular** and **Spring Boot**. Expert in designing scalable RESTful APIs, database optimization, and building enterprise-grade applications. Strong background in **embedded systems**, **IoT solutions**, and **AI integration**. Proven track record of delivering high-quality software solutions with excellence in both academic and professional environments.

Education

ISIMA University	**Tunisia**
Bachelor's Degree (LCE) in Computer Engineering, Distinction	*2021–2025*

Specializations: IoT & Embedded Systems, Artificial Intelligence
Final Project: Hackathon Platform - Ranked **Top 10** with **Excellent Mention**
Relevant Coursework: Software Engineering, Database Systems, AI/ML, Embedded Programming

Tunisia	
Baccalaureate in computer science (bac informatique), Good Standing	*2021*

Core Technical Expertise

Programming Languages

Backend: Java (Expert), Python, C/C++, C#, microPython

Frontend: TypeScript (Expert), JavaScript (ES6+), HTML5, CSS3, SCSS

Database: SQL (PostgreSQL, MySQL,Msql), NoSQL (MongoDB)

Frameworks & Technologies

Backend: Spring Boot (Expert), Spring Security, Spring Data JPA, Hibernate, Flask, FastAPI , eureka microservices

Frontend: Angular (Expert), React, RxJS, Angular Material, Bootstrap, PrimeNG

Mobile: Flutter, React Native

Desktop: WPF (.NET)

Architecture & DevOps

Architecture: RESTful APIs, Microservices, MVC Pattern, Clean Architecture

DevOps: Docker, Jenkins, Maven, Git, CI/CD Pipelines

Tools: IntelliJ IDEA, VS Code, Postman, Swagger/OpenAPI, JIRA

Cloud: AWS basics, Firebase, ZigoCloud ,cloudinary

Professional Experience

ABBK	**Tunisia**
Software Engineering Intern (Final Internship), 6 months	*2024–2025*

- [regular] **Developed** a comprehensive hackathon management platform using **Angular 16+** and **Spring Boot 3.x**
- [regular] **Implemented** real-time collaboration features using WebSockets and Apache Kafka
- [regular] **Integrated** AI-powered anti-cheat system with machine learning algorithms
- [regular] **Designed** RESTful APIs serving 1000+ concurrent users with JWT authentication
- [regular] **Optimized** PostgreSQL database performance with complex queries and indexing
- [regular] **Achieved** top 10 project ranking with excellent mention and perfect academic score

EmWorks   **CA**
ERP Development Intern, 4 months   *2023*

- [regular] **Architected** and developed a complete ERP system using **WPF** and **C#**
- [regular] **Designed** normalized relational database schema with 15+ interconnected tables
- [regular] **Implemented** inventory management, sales tracking, and HR modules
- [regular] **Optimized** business processes resulting in 30% efficiency improvement
- [regular] **Delivered** production-ready system with comprehensive documentation

Key Projects

Hackathon Platform: **Technologies:** Angular, Spring Boot, PostgreSQL, Kafka, WebSockets, JWT
Features: Event management, team formation, real-time collaboration, AI anti-cheat, judging system
Achievement: Academic excellence with top 10 ranking and perfect score

Enterprise ERP System: **Technologies:** C#, WPF, SQL Server, Entity Framework
Modules: Inventory, Sales, HR, Reporting, User Management
Impact: Streamlined business operations for EmWorks company

IoT Smart Solutions: **Technologies:** microPython, C/C++, ESP32/Arduino, MQTT
Applications: Sensor data collection, remote monitoring, automated control systems
Integration: Real-time data visualization with web dashboards

Technical Certifications & Achievements

Academic: Excellent Mention - Final Year Project (2024)

Recognition: Top 10 Project Ranking - ISIMA University (2024)

Expertise: Spring Boot Certified Developer (Self-certified through projects)

Expertise: Angular Expert Level (Demonstrated through professional projects)

Languages

Arabic: Native   *Mother tongue*
French: Good   *Professional working proficiency*
English: Fluent   *Technical documentation and communication*

Professional Links

Portfolio: **josephkhabir.com** - Live projects and technical demos
GitHub: **github.com/youssefkhabir** - Source code and contributions
LinkedIn: **linkedin.com/in/yousef-khabir** - Professional network

Additional Information

Availability: Immediate availability for full-time positions

Mobility: Open to relocation and remote work opportunities

Interests: AI/ML research, open-source contributions, tech community involvement