HOUSSEIN SDIRI

SOFTWARE ENGINEERING STUDENT | FULL-STACK DEVELOPER

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SUMMARY

Second-year Software Engineering student at ISSATSO with an interest in full-stack web development. Experienced in building REST APIs and web applications, with hands-on work in Java, Spring Boot, React, JavaScript, TypeScript and PostgreSQL. Comfortable working across application design, backend development and user interfaces, and motivated to contribute to practical software projects.

TECHNICAL SKILLS

Programming:
Python, Java, C/C++, JavaScript, SQL

Web & Backend:
React, Node.js, Spring Boot, Flask, REST APIs, HTML, CSS

Databases & Tools:
PostgreSQL, MySQL, Git/GitHub, Docker, Linux, OpenCV

ACADEMIC & PERSONAL PROJECTS

Automotive Technical Inspection Booking Platform **Academic Project 2025**

- Designed and prototyped a web and mobile application for booking and managing vehicle technical inspection appointments in Tunisia.
- Created UX/UI mockups and modelled the system architecture for appointment scheduling and visit tracking.

Tunisian License Plate Detection & Recognition **Academic Project 2025**

- Built a web application to detect and recognize Tunisian TN/TUN license plates in real time.
- Integrated OpenCV and EasyOCR, with GPU acceleration to improve processing performance.

Real-Time Collaborative Whiteboard **Academic Project 2025**

- Developed a collaborative whiteboard supporting synchronized drawing and instant chat between multiple users.
- Implemented real-time communication to support simultaneous collaboration.

TaskFlow – Task Management Application **Personal Project 2026**

- Developed a task management application with a RESTful backend and a modern web interface
- Implemented task operations, including creation, listing, updating, deletion and completion, with data persistence in PostgreSQL
- Structured the backend using Spring Boot layers and connected the frontend to the API.

EXPERIENCE

WordPress E-commerce Website – ParaBazar Parapharmacy **July 2026 Internship**

- Created an e-commerce website for Parapharmacie ParaBazar using WordPress.
- Worked on the website structure and presentation of products and online shopping pages. .

EDUCATION

First Year of Software Engineering | ISSATso **Sep 2025 - Present**

- Focused on software architecture, advanced data structures, and database management systems.
- Relevant Coursework: Object-Oriented Programming, Advanced Algorithms, Database Systems, Computer Networks.

Preparatory Cycle for Engineering Studies (Prep) | ISSATso **Sep 2023 - May 2025**

- Intensive multidisciplinary training in mathematics, physics, and fundamental computer science (Rigorous scientific and analytical foundation).

ADDITIONAL INFORMATION

- **Languages:** Arabic (Native) , French (Fluent), English (Technical)
- **Certifications:** Cisco Certified Network Associate (CCNA: Introduction to Networks)— In Progress (Expected Completion: Jan 2027)
- **Interests:** Historical documentaries, sports, video editing