





# Iheb ZENKRI

## Software Engineering Student

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### Profile

Final-year software engineering student specialized in Next.js and Spring Boot. Skilled in building scalable systems, optimizing performance, and enhancing user experience through clean architecture. Driven to deliver maintainable, innovative solutions and solve real-world problems with impactful software.

### Skills

- **Frontend Skills:** Next.js, React.js, Angular, Vanilla JavaScript, TypeScript, Tailwind CSS.
- **Backend Skills:** Spring Boot, Node.js, Express.js, NestJS.
- **Databases:** MySQL, PostgreSQL, Oracle, MongoDB.
- **DevOps & Tools:** Docker, CI/CD, Git, GitHub.

### Education

**Engineering Degree in Software Engineering,** Sep 2022 – Present | Charguia 2  
*National School of Engineers of Carthage (ENICarthage)*

**Preparatory Classes in Engineering,** Sep 2020 – Jun 2022 | Nabeul  
*Nabeul Preparatory Institute for Engineering Studies (IPEIN)*

### Projects

**Companies Visit Management App** Mar 2025 – Jun 2025

- Developed a full-stack application to manage and schedule company visits efficiently.
- Built **real-time notifications and calendar integration**, improving scheduling by **40%**.
- Implemented **JWT authentication, OAuth 2.0, role-based authorization, and a security layer**, enhancing application security and access control by **50%**.

**Tech Stack :** Angular, Spring, PostgreSQL, Figma, Postman, JIRA, GitHub.

**University Management System (LMS)** Jan 2025 – Feb 2025

- Built a multi-tenant university structure supporting schools, professors, students, and courses.
- **Integrated JWT authentication and role-based access control (RBAC)**, significantly **enhancing system security** and preventing unauthorized access.
- **Improved operational efficiency by 60%** through workflow automation and better data management.

**Tech Stack:** React, Spring Boot, JWT, MySQL.

**Staff Management Application, SoftSquare IT** Jul 2024 – Aug 2024

- **Developed** a cross-platform **staff management application** to streamline employee tracking, task assignment, and performance monitoring for small and medium-sized organizations.
- **Optimized data management** using **MongoDB**, reducing data retrieval time by **40%** through efficient indexing and query optimization.
- **Improved overall operational efficiency by 60%** by automating attendance tracking and centralized staff management.

**Tech Stack :** Flutter, Express.js, Typescript, MongoDB.

### Languages

|                      |                            |
|----------------------|----------------------------|
| <b>English</b><br>B2 | <b>French</b><br>B2 (DELF) |
|----------------------|----------------------------|

### Interests

Chess | DIY projects | Graphic design | Camping