Sirine Zanina

Full-stack software developer

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I am a fresh graduate in **Computer Science**, based in Sousse, Tunisia. Throughout my academic journey, I have gained extensive experience in **full-stack development**, working on **various projects** that have honed my skills in **front and backend technologies.**
I am eager to contribute to dynamic teams and take on challenging projects in a fast-paced environment, aspiring to excel in **a full-stack development role.**

EXPERIENCE

– **Full-stack Web Developer** · 02/2024 – 05/2024

Leoni - Sousse, Tunisia · End-of-studies Internship · Hybrid

- Set up **advanced API endpoints** with optimized database queries and schema validation, enhancing performance and reliability.
- Designed a **UI/UX prototype**, enhancing user experience and interface design consistency.
- Created **reusable frontend pages and components** that ensured **end-to-end type safety**, **graceful error handling**, and **efficient caching**.
- Implemented **Spring Security 3 using JWT** for authentication and authorization, utilizing **role-based access control**.
- Created a **CI/CD pipeline** to automate testing and deployment processes, increasing efficiency and reducing manual errors.
- **Deployed** the project using **Docker**, ensuring scalable and reliable application infrastructure.

Tech: Spring boot 3 · Spring Security 3 · Spring Data JPA · JDBC · REST API · Postman · Java 21 · Angular 16 · TypeScript · Bootstrap 5 · postgreSQL · pgAdmin 4 · Docker · Figma · Jira

EDUCATION

– **Bachelor in Computer Science** · 2021 – 2024

Higher Institute of Computer and Communication Technologies (ISITCOM)

Courses: UML Design, Fundamentals of Artificial Intelligence, Web Development, Database Engineering, Big Data Frameworks and Technologies, Virtualization and Cloud.

– **Baccalaureate In Mathematics** · 2020 – 2021

Ibnu Sina Highschool, Msaken

TECH STACK

- **Full-stack:** Spring boot 3, Spring Data JPA, Spring Security, Angular 16/17, Bootstrap 5, Tailwind CSS, Next.js, React.js, Node.js, Express.js, React Query, Axios, Shadcn UI, MySQL, PostgreSQL, MongoDB, Figma.
- **DevOps:** Docker, Jenkins, Github Actions.
- **Basics:** Java 21, PHP 8, Python, TypeScript, JavaScript, JQuery, CSS, HTML, Git, Github, GitLab.
- **Concepts:** Performance Optimization, UML Modeling, Design patterns, Queries & Caching, Error Handling, Software Architecture, UX/UI Design.
- **Methodologies:** Agile methodology, Trello, Jira.

PROJECTS

– **E-Commerce Dashboard & CMS** · 11/2023

○ Source

- Admin Dashboard exposing statistics such as total revenue, sales, and products in stock.
- Authentication, seamless navigation & filtering, and cart management.

Tech: Spring boot · Angular · Bootstrap · Docker

– **Dashboard Admin** · 09/2023 · ○ Source

- A dashboard application to visualize customer, product and transaction data.
- Interactive graphs that display the number of sales by category and provide a comprehensive view of the overall profit.
- Used **Redux for state management**, including **actions**, **reducers**, and **the Redux store**.

Tech: Material UI · Nivo Charts · React · Redux Toolkit Query · Node.js · Express.js · mongoDB · mongoose

– **techNotes** · 08/2023 · ○ Source

- Implemented JWT for user authentication and authorization, ensuring role-based access control, and session persistence on refresh.
- Developed administrative features to manage users and notes, with appropriate role-based permissions.
- Utilized **Redux** and **RTK Query** for state management.

Tech: React · Redux Toolkit Query · Node.js · Express.js · mongoDB · mongoose

– **Library CMS** · 05/2023 · ○ Source

- Developed a desktop application to manage library processes, including book collection management, loan and return tracking, and book search and reservation functionalities.

Tech: Java 17 · Java Swing · JDBC · MySQL

LANGUAGES

- English: Full professional competence
- French: Full professional competence
- Arabic: Native language

HOBBIES

Reading Hiking Journaling Working out