Ahmed Ben Ahmed

Frontend / Full-Stack Web Developer

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Profile

Frontend-oriented **Full-Stack Web Developer** with hands-on experience building responsive business applications using **React**, **Next.js**, and **TypeScript**. Strong focus on user workflows, dashboard interfaces, data-rich UI, and component-driven development, with working experience across **GraphQL**, **Spring Boot**, **MySQL**, testing, and production-oriented web applications.

Education

ENSA Berrechid, Université Hassan 1er	**Berrechid, Morocco**
Engineering Degree in Information Systems and Big Data	*2024–2027*
ENSA Berrechid, Université Hassan 1er	**Berrechid, Morocco**
Preparatory Cycle (Pre-engineering), Engineering	*2022–2024*

- Top class student, Awarded excellence prize.

Technical Skills

Frontend / Full-Stack

- Languages: HTML, CSS, JavaScript, TypeScript, Java, SQL, GraphQL
- Frontend: React, Next.js, Ant Design, React Query, Apollo Client, ECharts, React PDF, responsive design, Progressive Web Apps (PWA)
- Backend: Spring Boot, GraphQL APIs, Spring JPA, Hibernate, REST/transactional workflows
- Testing: Playwright, React Testing Library, Pytest
- Databases & Tools: MySQL, PostgreSQL, MongoDB, Elasticsearch, Docker, Git, SQLAlchemy, Pandas

Projects

Pharmacy Management System — 2024

Contributed to the development of a pharmacy **Progressive Web Application (PWA)** used to manage stock, sales, clients, suppliers, invoices, and KPI dashboards for daily operations.

- Built responsive pharmacist-facing interfaces with **React** and **Ant Design**, optimized for fast workflows and dense operational screens.
- Developed data-rich UI for **inventory, invoices, client/supplier tracking, tables, filters, and dashboards**.
- Created KPI and stock visualizations with **ECharts** and generated printable documents with **React PDF**.
- Integrated **GraphQL queries and mutations** to connect complex frontend views with transactional business workflows.
- Strengthened product quality with **Playwright** end-to-end tests and **React Testing Library** for key UI interactions.
- Contributed to the backend with **Spring Boot / Spring JPA** entities and controllers, giving me full-stack ownership across features.

SijilPharma Internship – Reporting & Predictive Stock Pipeline — 2025

Redesigned reporting workflows in a real pharmacy information system and prepared structured datasets for a future predictive stock management module.

- Modernized KPI dashboards in an existing **React + GraphQL + Spring Boot** stack with clearer layouts, better filtering, and product-level analytics.
- Built interactive **ECharts** views for sales, stock evolution, purchases, margins, and stock rotation to support decision-making.
- Worked with a production-oriented data layer using **MySQL**, **Elasticsearch**, and secure multi-tenant reporting queries.
- Designed an incremental **ETL pipeline** with **Python, Pandas, and SQLAlchemy** to generate feature datasets for future forecasting.
- Applied **Pytest**-based validation and experiment traceability to improve data quality and reproducibility.

Extra curriculum Activities

Computer and Engineering Club   **Berrechid, Morocco**
Leader of the club   *2024–Present*
○ Conducting **surveys** using for students to identify their points of interest.
○ **Organizing workshops** in the fields of WEB, data, and AI.
○ **Supervised CEC CLUB teams** working on WEB projects.
○ **Organization of a conference** in collaboration with GeeksBlaBla On Campus.

Computer and Engineering Club   **Berrechid, Morocco**
Member in the Computer and Engineering Club   *2022–2023*
○ Participated in the club's annual competition with the idea of a project/tasks management system.
○ Worked with my team in the requirement, conception, and design setups **(using UML diagrams and Figma design)**.
○ Building the application with **MERN stack**.

ENACTUS BERRECHID   **Berrechid, Morocco**
Chef de projet (CashVoyage)   *2022–2023*
○ Conceptualized and developed the initial stages of Cash Voyage, a web application connecting travelers with individuals to reduce shipping fees and travel expenses
○ Created a business model canvas and user personas to inform the development of Cash Voyage
○ Participated in the Boost Up lab program to refine the business idea and identify potential growth opportunities