

ZIYAD EL ABID

Full-Stack Software Engineer — Java / Spring Boot & React / Next.js

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PROFILE

Full-stack engineer with nearly 4 years at Theodo Maroc. Most of my work sits on Java / Spring Boot on the backend and React / Next.js (TypeScript) on the frontend. What drives me is making the product genuinely better — faster queries, tighter security, smoother user flows — and doing it with quality that lasts: well-tested code, honest reviews, and clean architecture. I've also had two open source pull requests merged into Sentry and Jest, and I enjoy helping junior devs get up to speed.

TECHNICAL SKILLS

- **Backend:** Java, Spring Boot, Hibernate/JPA, Node.js (Express), SQL/PostgreSQL, Flyway, Liquibase
- **Frontend:** React, Next.js, TypeScript, JavaScript, Zustand
- **Testing:** JUnit, Mockito, Jest, Cypress, TDD
- **DevOps & Cloud:** Docker, CI/CD (GitHub Actions), AWS (EKS, RDS, CloudWatch), GCP, Grafana, Keycloak, Git
- **Ways of working:** Agile/Scrum, Lean, Clean Architecture, code review, mentoring

EXPERIENCE

Software Engineer — Theodo Maroc (*Casablanca, 2022 – present*)

Istock — CMA CGM

01/2026 – present

Java · Spring Boot · React · TypeScript · SQL · Docker · Jira

- Designed and implemented pagination and lazy loading for the container data.
- Wrote complex SQL queries to power the dynamic filter logic.
- Helped optimize a SQL query that took over 30s — it now runs in 6s.

Crédit Habitat — BMCE Bank

04/2025 – 12/2025

Node.js/Express · PostgreSQL · React · TypeScript · Docker · CI/CD

- Brought the response time on SQL queries down from 1.2s to around 300ms (-75%).
- Closed critical security vulnerabilities and built scalable rate-limiting aligned with the business flows, strengthening the app's overall security posture.
- Split the CI/CD pipeline into modular jobs, which made the feedback faster and a lot easier to read.
- Turned ISO-compliant UI mockups into production-ready interfaces while staying faithful to the design.
- Used TDD to build robust unit and integration test suites, keeping bug fixes from causing regressions.

MICEPP — Investment journey

02/2025 – 04/2025

Java · Spring Boot · PostgreSQL · React · TypeScript · JUnit · Mockito · Grafana · Docker

- Cleared out database defects by designing and running targeted SQL fixes.
- Gave dependable effort estimates on a client epic, keeping the scope aligned with the real needs.
- Mentored a newly onboarded junior developer on clean code and agile practices.

Synapse Medicine

04/2024 – 02/2025

Java · Spring Boot · Hibernate · PostgreSQL · React · TypeScript · Jest · AWS (EKS, RDS, CloudWatch)

- Built and integrated the Synapse widgets, keeping the code testable and easy to maintain.
- Dug into production incidents reported by clients and fixed them.

Winxo — Loyalty program

05/2024 – 08/2024

Java · Spring Boot · Clean Architecture · Next.js · TypeScript · Keycloak · Cypress · Docker

- Built both the customer-facing platform and the back office for the loyalty program.
- Wrote the end-to-end tests in Cypress and wired up the auth flows through Keycloak.

Lloyds — Car rental

02/2024 – 04/2024

Java · Spring Boot · Hibernate/JPA · PostgreSQL · React · TypeScript · GCP · Docker

- Took test coverage on a legacy codebase from 10% up to 75%.
- Tuned the SQL queries so they could handle millions of records without slowing to a crawl.

Crédit Habitat (loan matrix) — BMCE Bank

01/2023 – 02/2024

Node.js/Express · Sequelize · PostgreSQL · React · TypeScript · Jest · Docker

- Built a dynamic matrix that calculated mortgage interest across several factors.
- Reworked the data export so it ran in about 400ms instead of 5s.

OPEN SOURCE

- **Sentry (JS)** — added the `networkDetailDenyUrls` option to Sentry Replay (PR #8439, merged).
- **Jest** — bumped Semver to patch a ReDoS vulnerability (PR #14262, merged).

EDUCATION & LANGUAGES

State Engineering Degree in Computer Science — ENSA Fès (including integrated preparatory classes), 2017 – 2022

Languages: Arabic (native) · French (fluent) · English (professional)