

Yahya El Omari

Full-Stack Software Engineer (Backend-Focused)

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Computer Science graduate from ENSA Agadir with hands-on experience building production-grade full-stack web applications and enterprise portals. Specialized in architectural engineering using **Java**, **Spring Boot**, **JavaScript**, and **Next.js** to deliver scalable and decoupled web solutions.

Professional Experience

Software Engineer Intern – Graduation Project

February 2026 – July 2026

VOID Agency (Digital Agency)

Agadir, Morocco

- Rebuilt Atos's international web portal within an agile team environment, collaborating directly with the Atos Product Owner to produce the platform supporting 20 regions and 9 languages:
 - * **Decoupled Architecture & Core Framework:** Designed a headless infrastructure separating Drupal 10 (**JSON:API**) and **Next.js**; developed **3 major enhancements** integrated directly into the agency's global core framework and deployed across all client projects.
 - * **Data Migration:** Engineered an automated migration module to seamlessly transfer legacy content and structured data from atos.net into the new architecture.
 - * **Core Engineering:** Conceptualized, engineered, and integrated a reusable SEO tracking module into the agency's core technical framework for enterprise deployment.
 - * **DevOps & Testing:** Configured containerized deployments via Docker/Easypanel and engineered a comprehensive Playwright E2E regression testing suite covering all critical user journeys to prevent breaking changes on core site functionality.
 - * **Performance Optimization:** Achieved strict performance benchmarks on delivered modules (91 performance, 94 accessibility, 92 best practices).

Software Engineering Intern – Summer Internship

July 2025 – August 2025

Ahdigital

Agadir, Morocco

- Designed automation systems and reactive dashboards for strategic data processing:
 - * **Competitive Watcher:** Engineered a social intelligence platform connecting **n8n** automation workflows, a **Supabase** database (PostgreSQL/Realtime), and a reactive **React** frontend.
 - * **Content Factory:** Built media pipeline automation flows based on **n8n** and **Node.js**, streamlining the automated generation of high-value short-form content.

Software Engineer Intern – Applied Project

February 2025 – May 2025

OpenTecc

Agadir, Morocco

- Architected and built **Amanti**, a hyper-local peer-to-peer delivery platform solving last-mile logistics by routing packages to local pickup points ("Drop Points"):
 - * **Backend Platform:** Built a scalable **Spring Boot** backend in **Java** utilizing REST APIs, RBAC, and AOP audit logging.
 - * **Shipment Lifecycle & Security:** Developed a secure check-in/check-out workflow utilizing QR code verification and photo validation.
 - * **Native E-Commerce Integration:** Engineered a native Shopify Plugin architecture dynamically injecting Drop Point selection directly into checkout flows via webhooks.
 - * **Financials & Monitoring:** Integrated Stripe API for payments and designed administrative dashboards in **Next.js** for real-time analytics.
 - * **Quality Assurance:** Maintained strict code quality using SonarQube, JUnit/Mockito, and UML while driving agile delivery using GitLab/Jira.

Education

National School of Applied Sciences of Agadir (ENSA)

2020 – 2026

State Engineering Degree in Computer Science – Distinction: **Bien**

Agadir, Morocco

Al Hanane II Private School

2019 – 2020

International Baccalaureate in Physical Sciences – Distinction: **Très Bien**

Agadir, Morocco

Technical Skills

Languages & Core: Java, JavaScript, TypeScript, PHP, SQL (MySQL)

Backend & Frameworks: Spring Boot, Microservices, REST APIs, JSON:API, Drupal 10, Apache Kafka, RabbitMQ

Frontend & Web UI: Next.js, Angular, React, HTML5, CSS3, Material UI

DevOps & Infrastructure: Docker, Git, Linux, AWS, Nginx, GitLab CI/CD, Bitbucket

Testing & Quality: Playwright, JUnit, Mockito, SonarQube

Activities & Additional Skills

Teaching: Conducted a Git & GitHub technical workshop for engineering students at APPS Club.

Leadership: Managed operational budgets and club activities as Treasurer for APPS Club.

Languages: Arabic (Native), English (Native), French (Fluent).

Soft Skills: Adaptability and Quick Learning — Communication and Collaboration — Problem Solving.