



Mohammed EZ-ZOUAK

SOFTWARE ENGINEER

Casablanca, Morocco

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Summary

Software Engineer working on backend production systems with experience in ESN (consulting) and industrial environments. Responsible for feature development, application maintenance (TMA), effort estimation, and functional validation in multi-client and large-account contexts. Comfortable working on existing systems under performance, reliability, and operational constraints.

Experience

ITSS Paris

SOFTWARE ENGINEER

Casablanca, Morocco

Aug. 2025 – Present (Permanent)

- Development and maintenance of the **IJConnect** platform (successor to **IJStats**) in production, ensuring functional and data continuity during the migration phase.
- Backend ownership on a **Django**-based system: business logic implementation, WebSocket features, schema migrations, and functional evolutions.
- Application maintenance and **TMA**: incident resolution, corrective fixes, and minor enhancements on existing production systems.
- Analysis and resolution of performance and stability issues (slow SQL queries, timeouts, connection pool saturation) through query optimization and indexing.
- Preparation of **effort estimates** for feature requests and participation in delivery planning.
- Execution of **functional testing**, validation with business stakeholders, and production deployment of fixes.
- Interventions for **large enterprise clients** in a multi-client ESN context, including IJ France, SIMV, CIDJ, PSE, Mairie de Champigny, and IJBOX.

Lear Corporation

Kénitra, Morocco

SOFTWARE ENGINEER

Feb. 2025 – Jul. 2025

- Designed and developed an internal web platform end-to-end to digitize recruitment, training, and certification processes, replacing Excel-based and paper workflows.
- Implemented automated evaluation modules and notification mechanisms to track trainee progress and certification validity.
- Processed and transformed production logs into operational dashboards used by shop-floor teams.
- Developed a computer-vision-based defect detection prototype to support quality control in a **Just-In-Time** manufacturing environment.

Twins Groupe

Fès, Morocco

FREELANCE SOFTWARE DEVELOPER

Jan. 2025 – Feb. 2025

- Developed backend features and frontend templates using **PHP/Symfony** for institutional and public-sector web platforms.
- Delivered a production-ready solution aligned with functional and technical client requirements.

Education

ENSA Tétouan

Tétouan, Morocco

STATE ENGINEERING DEGREE IN COMPUTER SCIENCE — INFORMATION SYSTEMS & DECISION SUPPORT

2020 – 2025

- Final Year Project:** Computer vision-based defect detection for industrial quality control in a **Just-In-Time** (JIT) context.

Technical Skills

Backend & APIs Python (Django), Java (Spring Boot), PHP (Symfony), REST APIs, WebSockets

Databases PostgreSQL, MySQL, SQL optimization, indexing, schema migrations, query performance tuning

Web React, JavaScript, HTML, CSS

Data & AI ETL/ELT concepts, BigQuery, operational data processing, computer vision, YOLO, OpenCV

DevOps & Tools Git, Docker, Linux, CI/CD, Redis, Nginx

Languages

Arabic — Native | French — Fluent (C1) | English — Fluent (C1)