Mohammed **EZ-ZOUAK**

FULL STACK ENGINEER · PROCESS AUTOMATION SPECIALIST

Casablanca, Morocco

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Summary

Full Stack and Data Engineer specializing in digitalization and process automation. I bridge the gap between complex business operations and technical solutions by building scalable web applications and data pipelines. With expertise in **Python (Django), React, and Airflow**, I have successfully transformed manual industrial workflows into streamlined digital systems (Just-In-Time environments). I am seeking a role where I can combine my software engineering skills with data infrastructure to solve high-impact operational problems.

Experience

ITSS Paris *Casablanca, Morocco*

FULL STACK DEVELOPER *Aug. 2025 - Present*

- High-Performance Web Engineering: Maintenance and scaling of critical web applications using **Python (Django) and React**, ensuring code stability and production uptime.
- Legacy System Modernization: Refactoring and optimizing **legacy codebases** to improve performance and prepare for migration to modern architectures.
- Technical Consulting: Acting as the primary technical interface for **European clients** to translate complex business needs into scalable software solutions.
- Database Optimization: Managing schema migrations and writing **optimized SQL queries** to support new functional modules and data reporting.

Lear Corporation *Kénitra, Morocco*

SOFTWARE ENGINEER INTERN *Feb. 2025 - Jul. 2025*

- Internal Operations Platform (MVP): Designed and built a comprehensive web platform to **digitize the recruitment** and certification workflow, replacing manual Excel sheets and paper exams.
- Automated Testing System: Developed an **auto-grading module** for security and technical exams, enabling instant feedback for workers and real-time reporting for HR.
- Workflow Automation: Created a notification engine to track new hire performance (4-week cycle) and automatically alert managers about **expiring safety certifications**.
- Production Quality Tool: Implemented a real-time defect detection system using **Computer Vision (YOLO)** to support quality control on the Just-In-Time (JIT) assembly line.

Twins Groupe *Fès, Morocco*

FREELANCE WEB DEVELOPER *Jan. 2025 - Feb. 2025*

- Full Stack Implementation: Developed responsive Twig templates and integrated custom backend logic using **PHP/Symfony** to ensure seamless data flow.
- User Experience Optimization: Enhanced engagement by implementing interactive **JavaScript** features and optimizing CSS3 animations for faster load times.
- Product Delivery: Delivered a performance-optimized web solution tailored to client branding, ensuring **100% adherence** to business requirements.

Education

ENSA Tétouan *Tétouan, Morocco*

STATE ENGINEER IN COMPUTER SCIENCE (INGÉNIEUR D'ÉTAT) *2020 - 2025*

- Specialization in Software Engineering and Data Systems

Technical Skills

Data Engineering	ETL Pipelines, Apache Airflow, BigQuery, SQL, Data Warehousing
Web Development	Python (Django), React.js, Spring Boot, PHP (Symfony), REST APIs
Process Automation	Workflow Digitalization, Internal Tools, Dashboarding, Legacy Modernization
DevOps & Tools	Docker, Git, CI/CD, Terraform, Linux

Languages

Native	Arabic
Fluent (C1)	English, French