

RGUIG MOHAMED AMINE

SOFTWARE ENGINEER

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SUMMARY

I am Mohamed Amine Rguig, a Software Engineer at Kelmo and Oracle Cloud Infrastructure Generative AI Professional Certified. I develop secure and scalable apps from the scratch to production using CI/CD, cloud & AI for better service. I have a Degree in Full Stack Web Development & DevOps (and I am now studying a Master's in Big Data & Cloud Computing).

PROFESSIONAL EXPERIENCE

CRM Implementer At KELMO – Casablanca, Morocco

APR 2024 - Present

- Designed and architected a unified API platform serving all enterprise applications (web, mobile, CRM systems), accelerating development cycles by 50% while eliminating redundant backend code.
- Contributed to the development of SMAB Tech, an enterprise content management platform that automates product data handling, document generation, website management, and SEO optimization.
- Digitized the order and delivery inside the enterprise in collaboration with the QALQAL Engine team.
- Developed a detailed logging system capturing key requests/response data, system events, and performance metrics, improving application observability.
- Automated system deployments with GitHub Actions, making releases faster and more reliable.
- Developed comprehensive API documentation using Swagger & Postman and structured README files.
- Suggested new ideas and improvements that help build things faster.

Technologies: Java, Spring Boot, NodeJS, ExpressJS, ReactJS, MySQL, MongoDB, Docker, AWS, Linux, GitHub Actions, Ollama, AI API's, n8n.

FullStack At Valencia / Agro Juice Processing (AJP) – Meknes, Morocco

SEP 2022 - NOV 2022

- Designed and developed an application where employees submit support requests.
- Application automatically organizes and prioritizes support requests.
- Built a user-friendly UI for tracking and managing support requests.
- Deployed the application on a CentOS 7 server.

Technologies: NodeJS, ExpressJS, ReactJS, MSSQL, Sequelize, Redux.

Backend Developer Developpeur-Informatique – Agadir, Morocco

SEP 2023 - NOV 2023

- Designed and developed an application where employees submit support requests.
- Application automatically organizes and prioritizes support requests.
- Built a user-friendly UI for tracking and managing support requests.
- Deployed the application on a CentOS 7 server.

Technologies: NextJS, MongoDB, AuthJS, Mongoose, Postman, Vercel.

Full Stack Developer At AlphaTech Experts Agadir, Morocco

SEP 2021 - NOV 2021

- Designed and developed a real-time messaging application to enhance communication and collaboration within development teams.
- Implemented group chat functionality, enabling seamless team discussions and project coordination.
- Delivered a clean, responsive front-end interface with VanillaJS, HTML, and CSS3, powered by NodeJS and Socket.io for real-time communication.

Technologies: NodeJS, Socket.io, VanillaJS, HTML, CSS3.

EDUCATION

Master Big Data & Cloud Computing ENSET, Mohammedia, Morocco	2024 – 2026
Bachelor in Full Stack Web Development and DevOps Faculty of Science and Technology, Settat, Morocco	2022 – 2023
Specialized Technician in Computer Development EFET, Agadir, Morocco	2020 – 2022
Baccalaureate in Life and Earth Sciences IBN AL HAYTHEM Meknes, Morocco	2018 – 2019

TECHNOLOGIES

- **Java Tech Stack:** Java, Spring, Spring Boot, Spring Data, Spring Security, Spring Web, SLF4J, Spring Cloud, Spring Batch, Map Struct, Maven, Swagger.
- **JavaScript Tech Stack:** JavaScript, NodeJS, ExpressJS, ReactJS, NextJS, Redux, TailwindCSS, Sequelize, Mongoose, SocketIO ,Jest.
- **DevOps Utils:** Docker, Jenkins, Git, GitHub, Ansible, Kubernetes, GitHub Actions, Docker Hub.
- **Databases:** PostgreSQL, MongoDB, SQL Server, MySQL, Redis.
- **AI:** Ollama, Spring AI, PG vector, OpenAPI.
- **Cloud:** AWS, Microsoft Azure, Hostinger.
- **Linux:** CentOS 9, Ubuntu 22–24, Red Hat.
- **Agile:** Jira, Scrum.
- **Other:** Kafka, RabbitMQ, N8N, WhatsApp API, Telegram API, Gmail API.

PROJECTS

Intelligent Document Management & Retrieval System (RAG)	APR 2025
• Built an AI-powered system with OCR, embeddings, and RAG for semantic document search and instant Q&A. • Enabled sales teams to access technical specifications instantly, reducing delays and improving client experience.	

Technologies: Java, Spring Boot, Spring AI, Ollama, PostgreSQL + pgvector, Tesseract.

SMAB Tech – Enterprise Content Management Platform	SEP 2024 - present
• Contribute in the development of a platform to manage product data, automate PDF document creation, and integrate SEO for selling websites. • Replaced manual designer tasks with automated workflows, supporting multiple brands and templates.	

Technologies: Node.js, ExpressJS, React.js, MongoDB, Docker, MySQL, Mongoose, Use the Smab API.

Market Data Automation Bots

Mai 2025 - present

- Automated extraction of public market records with 95% accuracy and real-time alerts via email/Telegram.
- Integrated with n8n workflows for processing and Google Drive for secure storage.

Technologies: Node.js, Playwright, n8n, Google Drive API, Telegram Bot API, MongoDB, Docker

Qalqul CRM – Orders & Deliveries Module

Nov 2024 - present

- Extended CRM with modules for order/delivery tracking, stock automation, and payment validation.
- Reduced manual work for sales teams with automated workflows and notifications.

Order Email Processing System

Jan 2025

- Automated order extraction from incoming emails and direct printing for warehouse teams.
- Freed managers from repetitive tasks by streamlining order handling.

Technologies: Node.js, Playwright, n8n, Google Drive API, Telegram Bot API, MongoDB, Docker

Warehouse Stock Management System

Dec 2025

- Built a stock management app integrated with ERP, enabling product transfers, movement tracking, and inventory alignment.
- Implemented automatic transfer suggestions for low-stock products and real-time notifications (email & push).
- Developed a mobile app with QR code scanning to streamline warehouse operations for managers.

Technologies: Node.js, Express.js, React.js, Docker, MySQL, MongoDB, React Native/Expo

LANGUAGES

- Arabic
- English **C1**
- French

CERTIFICATIONS & COURSES



OCI Generative AI Professional



Become a Java SE 17 Developer



Red Hat System Administration I (RH124)



Devops



EFSET English C1 Certificate



CISCO CCNA

INTERESTS

- Art's & Science
- Teaching
- Calisthenics / Boxing