

Mohammed Abdessetar Elyagoubi

Software Engineer

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SUMMARY

Software engineer building and operating production Java/Spring Boot microservices and modern web applications. Contributor to the OpenTelemetry Java SDK (CNCF), with a focus on reliability, concurrency, and system-level correctness across API design, CI/CD, and Linux deployment.

EXPERIENCE

Software Engineer

Feb 2026 – Present

Sofrecom (Orange Group subsidiary)

Rabat, Morocco

- Build and maintain Spring Boot microservices for **SuCre**, a fiber-to-the-home (FTTH) receivables-tracking platform, as part of an 11-engineer team delivering to a Cloud Foundry / PaaS environment.
- Ship features through GitLab CI/CD pipelines with automated quality gates (SonarQube), prioritizing well-tested, maintainable service code and clean APIs.
- Developed an internal developer-productivity tool that automates cross-service merge-request review by integrating a self-hosted LLM gateway into the GitLab workflow.

Full-Stack Developer (Freelance)

Jul 2025 – Oct 2025

Hack Nation

Remote

- Designed and shipped an end-to-end hackathon-management platform (React, TypeScript, Supabase/PostgreSQL) covering registration, submissions, judging/voting, and results publishing.
- Automated participant communications and review workflows via Google Forms integration and transactional email, eliminating most manual organizer effort.

Software Engineer Intern

May 2025 – Jul 2025

Dealkhir

Casablanca, Morocco

- Built responsive, performance-optimized web interfaces and integrated third-party APIs to automate manual business processes.
- Diagnosed and resolved production defects, improving reliability and user experience across client deliverables.

OPEN SOURCE

OpenTelemetry Java SDK — Contributor

Cloud Native Computing Foundation (CNCF)

- Authored and merged [PR #8276](#) (shipped in v1.62.0): bounded the `JdkHttpClient` thread pool to prevent unbounded thread creation, hardening the OTLP exporter against resource exhaustion under load.

SELECTED PROJECTS

EcoShift | *Java, Spring Boot, Next.js, TimescaleDB, Docker*

1st place — Sofrecom hackathon

- Privacy-first platform measuring and reducing a company's digital carbon footprint via lightweight agents and real-time CO₂ analytics.

Darija LLM Fine-Tuning | *Python, PyTorch, Transformers*

- Fine-tuned Qwen2.5-1.5B on a curated Moroccan-Darija conversational dataset to improve understanding of a low-resource dialect.

go-whatsapp-api | *Go, REST, OpenAPI*

- Memory-optimized, multi-device WhatsApp REST API wrapper with a full OpenAPI specification.

GitGuide | *TypeScript, VS Code Extension API*

- VS Code extension that enforces Git commit conventions and best practices directly in the editor.

TECHNICAL SKILLS

Languages: Java, TypeScript/JavaScript, Python, Go, PHP, SQL, C

Frameworks: Spring Boot, JEE, Node.js/Express, Next.js, React, Angular, Tailwind CSS

Cloud & DevOps: Docker, CI/CD (GitLab CI, GitHub Actions), Cloud Foundry, GCP, AWS, Nginx, Linux, SonarQube

Data: PostgreSQL, MySQL, MongoDB, TimescaleDB, Redis

Focus areas: Microservices, REST API design, observability (OpenTelemetry), LLM integration & fine-tuning, automation

EDUCATION

YouCode — Université Mohammed VI Polytechnique (UM6P)

Oct 2024 – Mar 2026

Full-Stack Software Development

Nador, Morocco

Baccalaureate, Physical Sciences

2024

Lycée Abdelkhalek Torres

Fès, Morocco

LANGUAGES

Arabic (Native) • French (Fluent) • English (Professional, C1)