

El Mehdi Laidoudi

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AI Engineer at BCG X shipping production AI systems in customer-facing enterprise environments. Own end-to-end deployment of AI factories and agentic platforms on client infrastructure, driving operational adoption and automating workflows for enterprise clients. Specialized in agentic orchestration, vector databases, and RAG on Azure and GCP. Prior experience at Oracle and early-stage startups.

WORK EXPERIENCE

BCG X

Software Engineer, AI Engineering

April 2026 – Present | Casablanca, Morocco

- Owned end-to-end production deployment of the AI platform on **GCP**, from the **Terraform-provisioned Kubernetes cluster** to GitHub Actions releases gated on Trivy security scans.
- Built the platform's evaluation system, rubric-scoring **100+ skills** across **8+ agents** in sandboxed runs and tracing each regression to the skill behind it.
- Shipped the procurement chat agent on **Azure AI Foundry** for an urban-development client, answering natural-language questions over live procurement data with tool calling and **vector-store RAG**.
- Engineered the durable execution layer for long-running agents on **Temporal**, cutting LLM spend by eliminating complete re-runs.
- Designed and shipped the platform's authentication system with role-based access control and single sign-on through **Microsoft Entra ID**, completing handover in the client's environment.
- Authored an **AI harness** powering **3 PoCs** using **LangChain** and **deepagents**, standardizing the agentic layer.

Oracle

Software Engineering Intern

May 2025 – Sep 2025 | Casablanca, Morocco

- Rebuilt a core page of Oracle's internal **third-party dependency tracking platform**, consolidating the codebase and removing a cross-platform redirect.
- Wrote and optimized **Oracle SQL** stored procedures and functions behind dependency resolution logic, eliminating timeout errors and improving data retrieval performance by **30%**.
- Validated the migration against the legacy page's exact behavior via full **unit and integration test** coverage, shipping with **zero regressions** and no post-launch incidents.

Terra IQ

Software Engineer

Dec 2024 – May 2025 | Remote

- Built a property monitoring system on **Google Earth Engine** to flag boundary shifts, water-body changes, and unauthorized activity, reducing site visits.
- Led the technical evaluation of **5** satellite imagery providers and recommended against the frontrunner on cost and incomplete national coverage, keeping the pipeline on open imagery.
- Moved imagery processing into background jobs off the request path in **Python** and **FastAPI**, ending timeouts on long-running detection runs.

neoCedrus | Student-led Software Engineering Unit

Ifrane, Morocco

Software Engineering Lead | Part-time

Jan 2025 – Jan 2026

- Led the unit's **10+** engineers across **3** platforms serving **5,000+** users, owning the backlog, architecture decisions, and release cadence.
- Mentored **6** engineers and redesigned the unit's technical interview process, with scoring standardized across interviewers.
- Owned the platform's deployment to a **self-managed VPS**, cleared through the university's IT security review.
- Made code review mandatory on every pull request to hold quality steady through the unit's yearly team turnover.

Software Engineer | Part-time

Sep 2023 – Jan 2025

- Designed and maintained **50+ REST** endpoints on **Node.js** and **Express** behind the unit's **React** and **TypeScript** front ends.
- Wrote **500+** unit and API tests under **TDD** to hold coverage above **90%** as the codebase grew.

EDUCATION

Bachelor of Science in Computer Science

Al Akhawayn University

Minor: Business Administration and Entrepreneurship

Ifrane, Morocco

Relevant Coursework: Edge and Cloud Computing, Natural Language Processing, Distributed Programming, Enterprise Applications

SKILLS

STRATEGY: AI use-case scoping, solution architecture, platform vs. bespoke build trade-offs, stakeholder management, production deployment ownership, client-facing delivery, customer onboarding

SECURITY & COMPLIANCE: responsible AI guardrails, IAM, RBAC, SSO, OAuth, data residency

AI & CLOUD: LLMs, agent orchestration, RAG, vector stores, LLM evaluations, tool calling, MCP, LangChain, deepagents, GCP, Azure, AWS, Kubernetes, Terraform, Docker, CI/CD

LANGUAGES & FRAMEWORKS: Python, TypeScript, SQL, FastAPI, React, Next.js

CERTIFICATES

- Oracle Cloud Infrastructure 2025 Certified Generative AI Professional
- Oracle Cloud Infrastructure 2025 Certified Architect Professional