

Saad Lachhab.

Head of AI Engineering. Forward-deployed AI engineer. **I take AI from the whiteboard to production** for governments, telcos and banks across the GCC: governed, measured, trusted.



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Dubai, UAE • AR • FR • EN

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In numbers

9+

years engineering AI & software, aerospace to enterprise

34

AI use cases shipped end-to-end for UAE enterprise & government

110+

customers served across products and engagements: government, telecom, finance, legal, private equity

4^{•6}

countries and cities built from: Paris • Toulouse • London • Rabat • Casablanca • Dubai

\$830K+

in enterprise deals as CTO, incl. OCP Group & a Big Four firm

3×

first prizes & national awards: Meta Llama MENA • AI for Tomorrow • Dyson

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Now

Head of AI Engineering

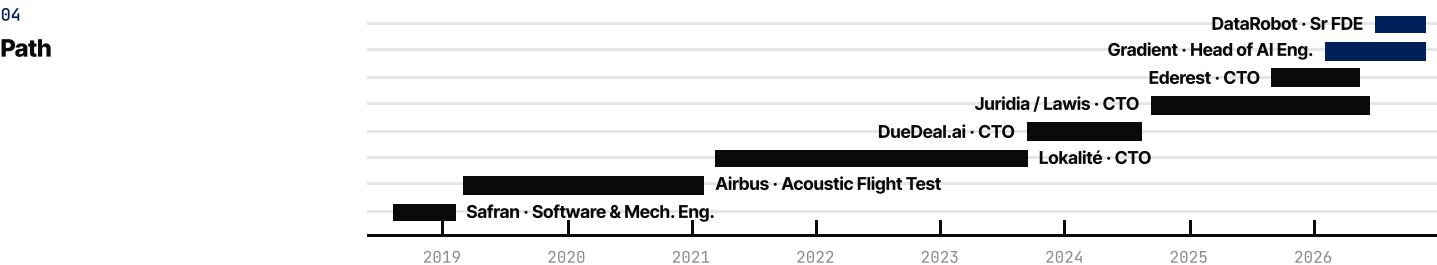
GRADIENT SOLUTIONS • FEB 2026 → • TEAM OF 15

du, e&, Sohar Bank, Saudi Electricity, EY, Mediclinic. 20+ production AI use cases; GBrain enterprise co-pilot; AI governance & sovereignty control plane.

Senior Forward Deployed AI Engineer

DATAROBOT • JUL 2026 →

Embedded with Dubai Police (Excellence & Leadership Department), owning a production AI application end-to-end.



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Profile

Lead engineer and AI leader with 9+ years driving AI platform, SaaS and cloud-native architecture across the GCC and Europe: from flight-testing aircraft at Airbus to four CTO roles, and today production AI for Dubai Police, du and e&. I build the systems myself, lead the teams that ship them, and win the clients

who use them, including OCP Group, a Big Four firm and Morocco's General Secretariat of the Government. Agentic AI, AI governance & sovereignty, LLM platforms, knowledge graphs, data platforms and cloud-native engineering.

01

Experience

2018 → PRESENT · 8 ROLES

JUL 2026 - PRESENT

• Senior Forward Deployed Software & AI Engineer · DataRobot

Dubai, UAE · Full-time · Hybrid

Forward-deployed engineer embedded with DataRobot's flagship UAE government and enterprise accounts, owning production AI applications end-to-end on the DataRobot platform, from stakeholder discovery and solution architecture to deployed, governed systems.

- Dubai Police (Excellence & Leadership Department)**, primary engagement: lead engineer delivering an AI-powered application, embedded with department stakeholders from concept through to production.
- Own end-to-end delivery as the embedded engineering point of contact (scoping, architecture, build and deployment), bridging the DataRobot platform with client operations.

FEB 2026 - PRESENT

• Head of AI Engineering · Gradient Solutions

Dubai, UAE · Team of 15 · du, e&, Sohar Bank, Saudi Electricity, EY, Mediclinic

Leading a team of 15 AI engineers alongside the DataRobot role. Delivered 20+ production AI use cases end-to-end for enterprise and government customers across the UAE (agentic AI, machine learning and algorithmic systems), each shipped with polished frontends and full test coverage, across AI Strategy, Execution, Solutions, Governance and Training for Telecom, Transport, Banking, Real Estate and AI Infrastructure, engaging C-suite and Director-level stakeholders.

- GBrain**, Gradient's enterprise AI co-pilot: chat, document & database knowledge bases, ontology, agent & workflow automation, browser use, slides/docs/sheets generation, meeting notes and connectors, in one self-hosted, on-prem platform.
- AI Governance & Sovereignty control plane**: model registry & lineage, guarded LLM gateway, risk scoring, staged approvals and audit-ready compliance (EU AI Act, ISO 42001, SDAIA, DIFC, CBUAE), so nothing ships unsigned and data never leaves.
- du**: enterprise agentic chat platform with configurable agents, tools, skills, document knowledge bases and a versioned department-scoped ontology (LangGraph agent loop over FastAPI and Elasticsearch, server-side RAG, role-based access control).
- du**: automated post-paid document verification against a ~1,500-case/day manual vetting workload: an 11-stage deterministic pipeline with constrained vision-LLM extraction and agentic forgery, discrepancy and disposition adjudication under hard-fail guardrails.
- e&**: churn retention copilot ranking at-risk B2B accounts on a transparent priority model over a 33-column dataset, guiding specialists through explain, recommend and KPI-extraction steps.
- e&**: multi-agent regulatory compliance checker extracting obligations from telecom policy corpora and auto-generating SQL violation checks over a Databricks warehouse, with a coverage critic iterating until no mandatory clause is missed.
- Keolis**: executive AI training on ML, GenAI, agentic AI, AI readiness and AI governance, with live demos including a governed Dubai Metro demand-forecasting and resource-planning agent.

SEP 2025 - MAY 2026

CTO · Ederest

Casablanca, Morocco · Team of 7

Architected and released a cloud-native, ERP-centred LMS and Digital Adoption Platform on Azure with proprietary agentic AI, LLMs, hands-on ERP practice sandboxes, full CI/CD, enterprise security controls, scalable microservices and a product-led growth strategy; lead engineer, technical sales and cross-functional execution on international enterprise accounts.

- Closed deals with **OCP Group** (\$11B+ revenue) and a **Big Four firm** through technical strategy alignment and executive architecture validation.
- Built a **\$300K+** qualified enterprise sales pipeline through guided technical demonstrations and solution consulting.
- Grew adoption to **1,000+ enterprise users** and **10,000+ B2C users** in production.
- Designed a proprietary agentic AI platform for immersive ERP simulations with automated enterprise SaaS training.
- Led a 7-engineer team and formalized architecture management, increasing delivery velocity and system reliability.

SEP 2024 - JUN 2026

CTO · Juridia / Lawis

Rabat, Morocco · Team of 9

Launched 4 AI-native legal-tech products (semantic search, AI assistant, CLM and regulatory watch) on large-scale vector databases (50,000+ documents), automated learning pipelines, scaled LLM-RAG systems and enterprise cloud infrastructure, while leading engineering and client acquisition.

- Acquired **70+ institutional customers**, including Morocco's General Secretariat of the Government, the Ministry of Transport, Grant Thornton and CGI.
- Saved **92%** of legal research time with semantic AI; cut compliance and document-intelligence workflows by **80%+**.
- Automated document ingestion pipelines and built and optimized a **15M-vector** database.

SEP 2024 - JUN 2026

CTO · Juridia / Lawis (continued)

- Obtained **96%** professional validation from legal practitioners on AI reliability in high-stakes advisory settings.
- Led a team of 9 engineers.

SEP 2023 - AUG 2024

CTO · DueDeal.ai

London, UK · Team of 3

Designed an AI-powered M&A co-pilot (search intelligence, conversational AI, financial benchmarking, Neo4j knowledge graphs of 2M entities and 8M relationships, 15M-vector databases and agentic RAG) for precision due-diligence automation for private-equity clients.

- Delivered **12 enterprise proofs of concept** to private-equity firms through short-cycle evaluation.
- Reached **96% accuracy** in the deployed agentic RAG engine and **98% end-user satisfaction** for the conversational advisor.
- Led architecture and development end to end: conversational AI, Neo4j knowledge graphs, document pipelines and financial benchmarking in one co-pilot.
- Built high-volume document-processing pipelines automating M&A due diligence; led a team of 3 and mentored and promoted 2 AI engineers.

MAR 2021 - SEP 2023

CTO · Lokalité

Paris, France · Team of 8

Engineered a B2B SaaS and B2C mobile platform for food lifecycle analysis and eco-design: multi-source data aggregation, deep-learning carbon-footprint models, constraint-programming supply-chain optimization and enterprise delivery across 23 accounts.

- Grew and retained **23 enterprise accounts** under systematic technical governance; scaled the dual B2B SaaS + B2C mobile platform.
- Built deep-learning carbon-footprint prediction on multi-source environmental data; modularized pipelines over **15+ heterogeneous sources**.
- Led an 8-member multidisciplinary engineering team delivering high-availability production systems.

MAR 2019 - FEB 2021

Acoustic Flight Test Engineer · Airbus

Toulouse, France · A350, A330, A320 certification team (34 members)

- Deployed AI-based parasitic-noise detection and anomaly prediction on hundreds of millions of aircraft sensor points; automated **80%** of the acoustics verification cycle.
- Certified acoustic performance for the A350, A330 and A320 families; carried out in-flight acoustic testing and scaled flight-campaign sensor-data infrastructure.
- Supported critical certification and customer-acceptance milestones through rigorous technical reporting.

AUG 2018 - FEB 2019

Software & Mechanical Engineer (Internship) · Safran Aircraft Engines

Paris, France · Aerospace R&D

- Developed modal acoustic decomposition programs to study jet-engine noise; improved acoustic modelling accuracy by refining decomposition algorithms.
- Introduced analytical tools into standard engine-testing systems, improving validation consistency, and delivered results to senior aerospace stakeholders.

02 Selected projects PLATFORMS & PRODUCTS · 11

GBrain · Enterprise AI Co-Pilot

GRADIENT SOLUTIONS · UAE · AI PLATFORM ARCHITECT & LEAD ENGINEER · MAR-JUN 2026

Enterprise co-pilot unifying chat, document & database knowledge bases, ontology, slides/docs/sheets, meeting notes, browser use, workflow automation and connectors, with an agent/tool/skill builder over hybrid retrieval and multi-tenant isolation.

→ **Flagship self-hosted, on-prem co-pilot, piloted for a UAE telecom on DataRobot/OpenShift.**

TypeScript · Node.js · Fastify · React · Drizzle · PostgreSQL · Redis · Elasticsearch · Azure AI Foundry · Docker

AI Governance & Sovereignty Control Plane

GRADIENT SOLUTIONS · UAE · AI GOVERNANCE ARCHITECT & LEAD ENGINEER · MAR-JUN 2026

Model registry & lineage, guarded LLM gateway (PII, prompt-injection, secrets, toxicity, tool allowlists), 5-factor risk scoring, staged approvals, incidents and audit-ready compliance across EU AI Act, ISO 42001, SDAIA, DIFC Reg 10 and CBUAE.

→ **Audit-ready by default; sovereign on-prem deployment as a DataRobot custom application.**

TypeScript · Node.js · Express · Prisma · React · Vite · DataRobot LLM Gateway · Azure OpenAI

Cloud Data Warehouse & Data/AI Foundation · ProPneu

PROPNEU GROUP (VIA NUMEOS) · FRANCE & EUROPE · DATA & AI TECH LEAD · JUN-JUL 2026

BigQuery warehouse with a raw / cured / business medallion architecture, read-only micro-batch ingestion from production MySQL via Airflow, PII pseudonymization from the raw layer, EU AI Act and GDPR compliance in every layer.

→ **Zero production impact, least-privilege IAM, governed FastAPI behind API Gateway and a Vertex AI MLOps base.**

GCP · BigQuery · Airflow · Cloud Run · FastAPI · API Gateway · Vertex AI · Python · SQL

AI-Native Legal Platform · Juridia

MOROCCO GENERAL SECRETARIAT, MINISTRY OF TRANSPORT, GRANT THORNTON, CGI · CTO · SEP 2024 – JUN 2026

Four AI-native legal-tech products: semantic search, automated compliance intelligence, regulatory monitoring and vector search over 50,000+ legal documents.

→ **92% less legal research time; 70+ institutional clients.**

TypeScript · Python · FastAPI · React · LLMs · RAG · Vector DB · PostgreSQL · Elasticsearch

AI-Powered M&A Co-Pilot · DueDeal.ai

PRIVATE-EQUITY FIRMS · LONDON, UK · CTO · SEP 2023 – AUG 2024

Financial-intelligence co-pilot combining conversational AI, knowledge graphs, document pipelines and financial benchmarking automation.

→ **96% AI precision, 98% user satisfaction, 12 enterprise POCs.**

Python · FastAPI · React · Neo4j · Vector DB · LLMs · RAG · Docker

GenAI Financial Audit Automation · Getskelter.com

BIG 4 FIRMS & GLOBAL AUDIT ORGANIZATIONS · PARIS · PRINCIPAL ENGINEER

Agentic AI audit-workflow automation with intelligent document processing, audit intelligence and scalable cloud infrastructure migration.

→ **73% less manual audit processing; cloud migration with zero downtime.**

Azure · Python · Agentic AI · LLMs · CI/CD · OVH Cloud

AI Accounting Automation · Leyona.pro

ACCOUNTING & FINANCIAL SERVICES FIRMS · AI ARCHITECT & ENGINEERING LEAD

AI-driven bookkeeping automation with real-time financial analytics and enterprise data intelligence.

→ **Scalable accounting intelligence enabling automated financial insight generation.**

Python · Full-stack · AI models · Cloud

ERP LMS & Digital Adoption Platform · Ederest.com

OCP GROUP, BIG FOUR FIRM · MOROCCO · CTO · SEP 2025 – MAY 2026

Cloud-native ERP-focused LMS and digital adoption platform with proprietary agentic AI, scalable microservices, vector-based intelligence and enterprise Azure infrastructure.

→ **1,000+ enterprise and 10,000+ B2C users; OCP Group and a Big Four firm secured; \$300K+ pipeline.**

Azure · Python · TypeScript · React · Next.js · FastAPI · Agentic AI · PostgreSQL · Kubernetes · CI/CD

Legal AI Platform for the GCC · Lawis.ai

LEGAL & REGULATORY ORGANIZATIONS · GCC · AI ARCHITECT & FULL-STACK ENGINEERING LEADER

Full-stack legal AI platform integrating semantic search, regulatory intelligence and automated legal monitoring for regional compliance environments.

→ **Automated legal-intelligence workflows, improving compliance monitoring efficiency and research accuracy.**

Python · LLMs · Semantic Search · Full-stack · Cloud

Food Lifecycle Analysis & Eco-Design Platform

23 ENTERPRISE CLIENTS · PARIS, FRANCE · CTO · MAR 2021 – SEP 2023

Sustainability analytics SaaS and mobile platform using deep learning, multi-source data pipelines and predictive environmental modelling.

→ **Scaled across 23 enterprise clients with AI-driven carbon-footprint prediction.**

Python · PyTorch · TypeScript · React · Node.js · PostgreSQL · GCP

Financial Document Workflow · Reapy.ai

FINANCIAL SERVICES ORGANIZATIONS · AI ENGINEERING LEADER

Intelligent extraction, analysis and classification of financial records with enterprise workflow automation.

→ **Automated complex financial document workflows, improving efficiency and data accessibility.**

Python · Agentic AI · LLMs · Full-stack · Cloud

03

Expertise

SKILL MATRIX · TECHNICAL STACK

Functional

- Agentic AI Engineering
- Design Thinking
- AI Governance & Sovereignty
- AI Architecture
- AI Solution Design
- AI Product Engineering
- On-Premise / Cloud-Native Application Engineering
- Data-Driven System Modelling
- Distributed Systems Engineering

Operational

- Platform Scalability Optimization
- System Reliability Engineering
- Production Deployment Automation
- Technical Performance Optimization
- Infrastructure Lifecycle Management
- Cross-Platform Integration Architecture

Managerial

- Engineering Organizational Leadership
- Technology Strategy Development
- Technical Program Governance
- Innovation Portfolio Management
- Executive Stakeholder Engagement
- Technical Capability Development

AI & ML	LLMs, Agentic AI, RAG, NLP, Deep Learning, Transformers, Knowledge Graphs, PyTorch, Computer Vision, Anomaly Detection
PROGRAMMING	Python, TypeScript, JavaScript
FRAMEWORKS	React, Next.js, FastAPI, Django, Flask, Express.js, LangChain, LangGraph
DATABASES	PostgreSQL, MongoDB, Redis, Elasticsearch, Neo4j, Vector Databases
CLOUD & DEVOPS	AWS, GCP, Azure, Docker, Kubernetes, Terraform, GitHub Actions, CI/CD, Serverless, Microservices
TOOLS	Git, Linux, Playwright, Jest, Pytest, GraphQL, REST APIs, WebSockets, SQLAlchemy

04

Education & recognition

DEGREES · CERTIFICATION · AWARDS

Engineering Degree · Software & AI Engineering
UNIVERSITY OF TECHNOLOGY OF COMPIÈGNE (UTC), FRANCE · 2015 – 2018

- European Innovation Academy Fellow (2018)
- James Dyson Award · France National Winner (2017)
- Label of Innovation · UTC Innovation Center (2017)

Preparatory Classes (CPGE) · Computer Science, Physics, Mathematics
PREPARATORY SCHOOL, RABAT, MOROCCO · 2012 – 2015

- Ranked 1st in class in Computer Science, Physics, Mathematics, Industrial Science
- Admitted to the UTC France engineering program

Artificial Intelligence Certifications
STANFORD · GOOGLE · IBM · MICROSOFT · JOHNS HOPKINS · CONTINUOUS LEARNING

META AI Llama · AI Design Drive
1ST PRIZE · MENA · 2025 · PRESENTED AI ARCHITECTURE TO REGIONAL INDUSTRY LEADERS (3-MONTH CHALLENGE)

AI For Tomorrow
1ST PRIZE AMONG 600+ AI INNOVATION PROJECTS · FRANCE · 2022 (6-MONTH CHALLENGE)

James Dyson Award
FRANCE NATIONAL WINNER · 2017

European Innovation Academy
FULLY SPONSORED INNOVATION & ENTREPRENEURSHIP FELLOWSHIP · TORINO, ITALY · 2018

05

Languages & availability

Arabic	French	English	Dubai, UAE	Notice period
Native	Fluent	Fluent · professional	Residence visa · no sponsorship needed	1 month