Nader Bennour

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PROFESSIONAL SUMMARY

AI & Cloud Engineer with 4+ years building data infrastructure, AI systems, and full-stack applications. Former CTO of a real-estate AI SaaS, leading end-to-end technical architecture from prototype to production. Seeking impactful roles in AI, cloud infrastructure, and data-driven products.

TECHNICAL SKILLS

Programming: Python, Golang, Java, Solidity, JavaScript/TypeScript, SQL, Bash

AI/ML: PyTorch, TensorFlow, scikit-learn, OpenAI API, LangChain, LlamaIndex, vector DBs (Qdrant, Milvus), MLOps (MLflow, Airflow)

Cloud & DevOps: AWS (S3, EKS, Lambda, DynamoDB), GCP, Docker, Kubernetes, Terraform, CI/CD (GitHub Actions), Prometheus/Grafana

Data & Backends: ETL/ELT, data lakes, FastAPI, Flask, Node.js, PostgreSQL, Redis, MongoDB, REST/GraphQL/gRPC

Blockchain: Smart contracts (Solidity/Hardhat), indexers/scrapers, validator telemetry, DPP prototypes

EXPERIENCE

Co-Founder & CTO   Oct 2023 – Feb 2026
AI-RE UG (haftungsbeschränkt)   *Munich, Germany*

- Co-founded an AI-driven real-estate SaaS; owned end-to-end architecture (document ingestion, AI pipelines, APIs, cloud infrastructure) serving 2 pilot customers and 10 users.
- Built RAG-based document Q&A achieving 90% extraction confidence; reduced query latency from 50s to 3s through caching and prompt optimization.
- Secured €135k in non-dilutive funding (**EXIST**, **AI+ Munich**), aligning technical milestones with grant requirements.
- Led engineering team of 5; established CI/CD pipelines, monitoring/observability, and security baselines for production deployments.
- Partnered with pilot customers to translate document workflows into roadmap priorities; shipped 6 feature iterations based on feedback.

Cloud & Data Engineer (Part-time)   Jul 2023 – Sep 2025
Orbal GmbH (growthepie.xyz)   *Remote*

- Built and maintained data infrastructure for **30+ EVM L2 chains**: automated onboarding, data QA, and release workflows.
- Deployed and operated node/RPC infrastructure across AWS and GCP with high sync reliability and multi-network endpoints.
- Built Airflow DAGs for metric computation, backfills, and anomaly detection across blockchain data pipelines.
- Developed stablecoin adapters and implemented RPC rotation mechanisms to ensure stable, fault-tolerant operations.
- Explored and integrated AI tools into team workflows to improve development efficiency and automation.
- Contributed frontend features and fixes (Next.js, TypeScript) to support analytics tooling and internal dashboards.
- Developed Discord bots for operational alerting on pipeline failures, node health, and RPC latency spikes.

Blockchain Developer (Digital Product Passport)   May 2024 – Aug 2024
Deloitte   *Remote*

- Built Battery Digital Product Passport PoC tracking lifecycle events across supply chain (manufacturing to recycling).
- Conducted in-depth evaluation of blockchain networks (Polygon, Hyperledger, XDC, public vs. private chains) to determine optimal infrastructure for enterprise traceability requirements.
- Translated EU regulatory requirements into traceability data model; deployed smart contracts on **XDC Network**.
- Built user-friendly frontend (React, JavaScript) with smart contract integration for demo and testing purposes.
- Delivered technical demos to stakeholders; PoC selected for further development.

Data Engineering Intern Oct 2022 – Jun 2023
Blockbrain GmbH *Remote*
Built LLM-powered assistant with multi-user chat, context management, and admin dashboards (OpenAI API, Python, Flask).

Developed AI bot to detect fake Twitter followers using account metadata and behavioral signals.

Built Go smart-contract auditor and Ethereum monitoring pipeline using archive nodes and PostgreSQL.

Thesis: AI system detecting malicious NFT smart contracts; analyzed fraud signals and evaluated detection performance.

Software Developer (Part-time) Oct 2021 – Sep 2022
LexCom Informationssysteme GmbH *Munich, Germany*
Developed Java components for automotive after-sales systems; improved turnaround time through performance optimizations.

Collaborated in agile sprints to deliver scalable software updates.

Website Manager (Part-time) Oct 2020 – Oct 2021
NFON AG *Munich, Germany*
Owned content, CMS, and SEO (Sistrix); increased organic visibility through blog optimization and localization across European markets.

SELECTED PROJECTS

FSH AI Gesundheitsassistent 2024
Clinical AI Assistant *FastAPI, Docker, WordPress, NCBI-dbSNP*
Multi-agent health assistant (genetics, blood, nutrition) handling PDF/Excel/JPG uploads; GDPR-encrypted with 75% token cost reduction.

eth-validator-api 2024
Ethereum Validator Telemetry API *Go, REST*
REST API serving validator metrics for monitoring staking rewards and sync committees.

pharmaai-advisor (PharmaGPT) 2024
Pharmacy AI Assistant *Python, LLMs, FastAPI*
LLM-based assistant for drug interaction recommendations using RAG architecture.

EDUCATION

Technical University of Munich (TUM) Munich, Germany
B.Sc. Computer Science *2018 – 2025*
Specialization: AI Systems, Cloud Computing, Information Security

Thesis: "Early Identification of Security Issues in Decentralized Finance"

ATHENS Programme – Mines Paris (PSL) Paris, France
International Exchange *Mar 2024*
Project Analyst, Circular Republic Tech Challenge Munich, Germany
UnternehmerTUM *Apr 2024 – Sep 2024*
Co-designed ReWearAI: mobile workflow for second-hand apparel intake (label OCR, size detection, condition assessment, pricing).

Led market research, defined KPIs, produced prototype and specs; presented to Circular Republic jury.

CERTIFICATIONS

AI+Munich Batch #9 (Munich Innovation Ecosystem, Jul 2024 – Jan 2025)

Learning AI Through Visualization (Columbia+, Jun 2025)

Smart Contracts & **Blockchain Basics** (Univ. at Buffalo, Jul 2022)

Introduction to Git & GitHub (Google, Nov 2020)

AWS Solutions Architect & **GCP Data Engineer** (In progress)

LANGUAGES

German (C1), English (C1), French & Arabic (Native), Spanish (A2)