Ateet Bahamani

AI Architect / Agentic AI Engineer

Essen, Germany

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Work Authorization: German Citizen EU Work Rights

Profiles

Portfolio   GitHub   Linkedin

Strategic and Organizational Skills

- **Platform Deployment**
- **Cybersecurity / Data Integrity**
- **Stakeholder Collaboration**
- **Change Management**
- **Compliance-Driven Development**

Technical Skills

AI & Agentic Systems

Agent SDK patterns, LangChain, LangGraph, AutoGen, n8n, Hugging Face, RAG, PyTorch, TensorFlow

Backend & LLM Infra

Python, C#, FastAPI, Pydantic, Vector Databases (Chroma & FAISS), PostgreSQL, SQL Server

Frontend for LLM Agents

Angular (v15–17), TypeScript, Tailwind, Chat UIs, Agent Dashboards

LLMOps & Deployment

LangSmith, PromptLayer, TruLens, Docker, GitHub Actions, RedisMemo, CI/CD for Agents, Prompt Versioning, Cost Tracking

Cloud Platforms

AWS (Lambda / ECS / S3 / API / IAM)

AI Architect with **15+ years** in full-stack engineering, specializing in **Deterministic & Agentic AI**, **RAG, NLP,** and **multi-agent orchestration.** Hands-on Python expert in **LLM automation** (LangChain, AutoGen) delivering **production-grade, cloud-ready systems** with robust **CI/CD, cloud-native architecture, and observability best practices** .

Developed by Ateet in 2026

🟩 **Talk / chat with my AI clone**
https://ateetclone.masxai.com

🟨 **LLM Beanckmarking - GalileoAI**
https://galileo.masxai.com/

Experiance - ⬜ https://ateet.masxai.com

12IQ Inc   Nov 2025 - Present

AI Architect & Co-Founder

- **Leading** architecture and end-to-end development of a **large-scale Deterministic AI platform** focused on **predictable, auditable, and intelligence workflows**.
- **Architected** a **modular, execution-driven AI system** with a single deterministic execution spine, coordinating orchestration, context management, knowledge processing, reasoning, and multi-model validation.
- Designed **agent orchestration patterns** enforcing execution order, context propagation, budget control, fault isolation, and confidence scoring.
- Built **multi-database AI infrastructure** (relational, document, graph, vector, cache) to support persistent reasoning state and continuous learning.
- Hands-on **Python lead**, defining core abstractions, data contracts, and CI/CD standards for production-grade reliability and scalability.
- Leading technical delivery, **interviewing, mentoring, and guiding engineers and interns**.

Freelancing and Professional Development   Dec 2024 - Oct 2025
Germany

Freelance Consulting & Strategic Transition into AI Engineering

- Transitioned into AI Engineering through an intensive learning and mentoring program at **Masterschool Institute of Technology, Berlin**, followed with **independent freelance-style project execution and real-world system development**. .
- **Designed, Engineered** three AI platforms (mainly **Python**) : **Med AI** (Healthcare Automation), **MASX AI** (Geopolitical Forecasting), and **Echo AI** (Personal AI Clone)
- Delivered **functional AI prototypes** for prospective clients, showcasing applied expertise in **multi-agent systems, real-time data pipelines, RAG architectures, and LLM integrations** (OpenAI, Mistral, Hugging Face).

IHS Markit   Jul 2017 - Nov 2024

Senior Software Engineer   Essen, Germany

- **Owned** platform migration and project delivery across backend/frontend, **leading** team of **5+**. Directed **deployments**, system **validation**, and **CI/CD** pipelines. Aligned with **global stakeholders** across **3 continents**.
- Engineered **secure, async-ready APIs and dashboards** using **Python, C#, Node.js, and AWS (Lambda, ECS)**.
- **Migrated 10+ legacy applications** to **AWS and Angular**, reducing latency by **40%** and accelerating deployment cycles by **60%**.
- Built **CI/CD pipelines** using **GitLab, Docker, and Azure DevOps**, cutting deployment errors and shortening release timelines by **over 60%**.

Experiance - https://ateet.masxai.com/

IHS Markit — Mar 2012 - Jul 2017
Software Engineer — Essen/Leverkusen, Germany

- Delivered **end-to-end digital analytics systems** for **enterprise automotive clients** across 7 continents.
- Dev **scalable analytics platforms** using **C#, VB.NET**, serving **20+ global clients**.
- Ensured **data integrity, secure deployments**, and continuous **system enhancements** through collaboration with **cross-functional teams**.

AI Projects

Galileo Arena : LLM Benchmarking + Quality Controls
 https://galileo.masxai.com/

Multi-model agentic debate evaluation platform implementing the "Galileo Test" style evaluation harness.It evaluates LLMs with **deterministic + ML hybrid scoring** and a full audit trail.

Repo/Docs: https://github.com/AteetVatan/AIGalileoArena

EchoAI

Real-Time Voice-Driven Agentic Intelligence Voice-first AI clone with **real-time STT → RAG memory retrieval → LLM reasoning → TTS**.
https://github.com/AteetVatan/echo-ai

MASX AI — Strategic Autonomous AI System

I'm building MASX AI as a modular, production-grade platform for **real-time signal ingestion, agentic reasoning**, and **forecasting**.

MASX AI Modules

1. **MASX Hotspots** — flashpoint detection + feed generation
   https://github.com/AteetVatan/masx-hotspots
2. **MASX GeoSignal** — high-throughput ingestion + enrichment layer
   https://github.com/AteetVatan/masx-geosignal
3. **MASX Forecasting** — forecasting + reasoning engine
   https://github.com/AteetVatan/masx-forecasting

medAI — Clinical Speech & Documentation Platform
https://github.com/AteetVatan/medai.git

- Real-time clinical intake + documentation backend for German-speaking clinics: speech-to-text, medical entity recognition, LLM summarization, translation, and PDF report generation — orchestrated as an agentic pipeline.

Education

Masterschool — Dec 2024 - Jun 2025
Artificial Intelligence Specialization

- Built **AI apps** with *Python, FastAPI,* and *Pydantic.* Developed **RAG pipelines** using *LangChain, LangGraph,* and *Chroma/FAISS.* Implemented **agentic systems** with *AutoGen* and advanced *prompt engineering.*Applied **NLP** using *Hugging Face Transformers* for search and summarization.

Symbiosis International University — Mar 2007 - Mar 2009
Master of Science — Geographic Information Systems

Guru Gobind Singh Indraprastha University — Mar 2001 - Mar 2005
Bachelor of Technology — Information Technology