



Ateet Bahamani

AI Architect / Agentic AI Engineer

Essen, Germany
[+4917623 463484](tel:+4917623463484)
ab@masxai.com

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**.

Ateet AI Clone (Developed by Ateet)

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

Experience

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%**.

Soft Skills

Stakeholder alignment

Cross-functional communication

Proactive and accountable

Solution-focused & adaptable

Collaborative & feedback-driven

Results-oriented

Certifications

AI Engineering

MasterSchool

2025

[Certificate Link](#)

PCEP

Python Institute

2025

[Certificate Link](#)

Certified ScrumMaster

SCRUM ALLIANCE®

2019

[Certificate Link](#)

Languages

English

Native

Hindi

Native

German

B1

Experience

IHS Markit

Software Engineer

Mar 2012 - Jul 2017

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/AlGalileoArena>

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

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

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>

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

Artificial Intelligence Specialization

Dec 2024 - Jun 2025

- 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

Master of Science

Mar 2007 - Mar 2009

Geographic Information Systems

Guru Gobind Singh Indraprastha University

Bachelor of Technology

Mar 2001 - Mar 2005

Information Technology