



Ateet Bahamani

AI Architect / Agentic AI Engineer

Essen, Germany

[+4917623 463484](#)

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

Essen, Germany

Senior Software Engineer

- **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

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