AKASH MORE

Full-Stack Engineer | GenAI Developer | Open to Relocation & Global Opportunities
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PROFILE

Software Engineer with 7+ years of experience building scalable, data-driven, and AI-powered systems. Specialized in **Generative AI, LLM integration, Retrieval-Augmented Generation (RAG)**, and intelligent automation using **LangChain, OpenAI SDK, Azure**, and **MCP-based orchestration for GIS applications**. Adept at designing and orchestrating AI deployment pipelines and data workflows on **AWS** and **Azure**, integrating cloud-scale engineering with cutting-edge AI innovation.

CORE SKILLS

GenAI & LLMs: LangChain, RAG pipelines, Prompt Engineering, OpenAI SDK, Azure, MCP Servers, Embedding & Indexing
Cloud & DevOps: AWS, Azure, Docker, Kubernetes, CI/CD
Software Engineering: Python, Image Processing, Java, REST APIs, MySQL, Postgres, Microservices, GIS

EXPERIENCE

TomTom — Software Engineer III | Pune, India (Jul 2018 – Present)

- WatchDoc (GenAI Chatbot): Designed a RAG-based chatbot using **LangChain + OpenAI SDK + Azure**, enabling natural-language Q&A; over Confluence and spec docs → reduced support load by ~40%.
- GeoGPT (MCP Server): Built a conversational interface for geospatial data access using **Postgres DB and REST APIs**, delivering 60% faster data retrieval for internal analytics.
- Building Detection Pipeline: Implemented ML workflow with **SamGeo2 + Python** for satellite imagery segmentation (96% accuracy) → saved 8h manual validation per run.
- AI Tech News Slack Bot: Developed Slack app aggregating AI and engineering updates for employees → enhanced team awareness and AI adoption.
- Automated production pipelines with **Python & Azure**, reducing delivery timelines by 30% and cloud costs by 35%.
- Earlier work: Worked on multiple GIS-related data pipeline creation and automation projects using **Angular, Java Spring Boot, REST API's, MySQL, and PostgreSQL** technologies.

SELECTED PROJECTS

WatchDoc — RAG Knowledge Assistant | Python, LangChain, Azure, OpenAI SDK
Developed document ingestion and embedding pipeline with prompt-tuned LLM responses for enterprise knowledge retrieval.

GeoGPT — Conversational Data Interface | Python, REST, MCP, Postgres DB
Implemented MCP protocol to convert natural-language queries into structured geospatial requests and analytic responses.

Building Detection AI Pipeline | Python, SamGeo2, Image Processing
Automated satellite imagery building detection workflow.

AI Tech News Slack Bot | Python, Slack API, RSS
Curated and delivered AI and engineering news digests to Slack channels via scheduled automation.

EDUCATION

B.Tech in Information Technology — Walchand College of Engineering, Sangli (2014 – 2018)