Shubham Bhardwaj

Engineering Manager — AI/ML & Data Platforms

Gurugram, Haryana
shubhambhardwaj0826@gmail.com
(+91) 99100-34601
https://github.com/gseiten
https://linkedin.com/in/gseiten

Summary

Engineering Manager specializing in AI/ML & Data Platforms. Proven track record of directing agile engineering teams, architecting scalable data lakehouses, and building robust generative AI pipelines (RAG, multi-agent workflows, LLM orchestration) to drive significant business value.

Experience

Engineering Manager - V-Mart Retail Ltd.

Feb 2022 - Present

- Directed engineering teams through Agile sprint planning and technical recruitment, acting as the primary technical liaison for cross-functional stakeholders.
- Founded and led an internal AI/LLM training program, teaching engineering and business teams transformer architectures and prompt engineering.
- Architected a centralized retail data lakehouse from scratch using ClickHouse (Zookeeper clustered on AWS) and Airflow.
- Built and scaled a comprehensive Offer and Promotion Engine utilizing ClickHouse and FastAPI to directly power ₹200 Cr+ in annual revenue.
- Designed an AI-driven product discovery ecosystem and embedding-based Recommendation Engine (sBERT + FAISS).
- Engineered a real-time customer engagement platform using Kafka and MongoDB.
- Designed an end-to-end Product Information Management (PIM) pipeline integrating Gemini LLMs and Stable Diffusion (SDXL).
- Built a Retrieval-Augmented Generation (RAG) engine powering a Natural Language Query system.
- Enforced org-wide AI governance via a centralized multi-model LLM Gateway using LiteLLM.

Full-Stack Software Engineer - Lyxel Labs Pvt. Ltd.

June 2018 - Jan 2022

- Architected backend infrastructure for a social media management platform and Instagram influencer search engine using Python (Tornado), MongoDB, and SQL.
- Built a real-time sentiment analysis engine consuming Facebook/Twitter APIs, scheduling millions of background tasks via Celery beat.

- Implemented secure OAuth2 integrations and a dynamic frontend using Vue.js, ensuring high availability across client-facing components.

Skills

Languages & Scripting: Python, C++, JavaScript, Bash/Shell, SQL

Data & Infrastructure: ClickHouse, Kafka, MongoDB, ElasticSearch, AWS (EC2, Lambda, SES), Airflow, Zookeeper

Frameworks & APIs: FastAPI, Node.js, Express.js, React.js, Vue.js, Celery

Generative AI & LLMs: RAG Pipelines, Agentic Workflows, Prompt Engineering, Multi-LLM Orchestration (Gemini, Claude, GPT-family), LiteLLM Gateway, LangChain, LLM Evaluation

Applied ML & Computer Vision: Vector Search (FAISS, sBERT), FashionCLIP, Recommender Systems, Stable Diffusion / SDXL, Speech-to-Text (ASR)

AI Strategy & Governance: LLM Cost & Compute Governance, Model Benchmarking, Observability, Internal AI Training