

TAHA MAHMOOD SYED

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EXPERT DATA & AI

PROFESSIONAL SUMMARY

Data and AI solutions engineer with hands-on experience architecting, delivering, and operating enterprise GenAI, ML, data, and automation systems. Combines Azure Machine Learning, Azure DevOps, AKS, Python/FastAPI, LangChain RAG, enterprise Copilot, PostgreSQL, APIs, observability, and security controls to turn business opportunities into scalable, reusable production applications. Experienced in model orchestration, retrieval, evaluation, data pipelines, governance, stakeholder delivery, technical coaching, and continuous improvement.

TECHNICAL SKILLS

- **Data and AI Architecture:** Solution architecture, technical design, AI/ML and GenAI patterns, model orchestration, LangChain RAG, retrieval, embeddings, vector retrieval, APIs, microservices, structured outputs, evaluation harnesses, model selection and operational fit
- **MLOps and Cloud Platform:** Microsoft Azure, Azure Machine Learning, Azure DevOps, Azure Kubernetes Service, Azure Functions, Azure Data Factory, Azure Storage, Azure Monitor, Azure RBAC, Docker, CI/CD, model deployment, model registry, experiment tracking, monitoring, controlled promotion
- **Data Engineering and Analytics:** Data models, PostgreSQL, SQL, ETL/ELT, data pipelines, data quality, schema evolution, batch processing, metadata management, structured and unstructured data, Pandas, NumPy, Power BI, Tableau, Looker Studio
- **Enterprise GenAI and Governance:** OpenAI, Claude, Microsoft Copilot, Copilot Studio, prompt engineering, prompt versioning, response validation, guardrails, model/data drift monitoring, audit logging, access controls, secrets management, PII handling, incident response, operational runbooks
- **Delivery and Enablement:** Stakeholder management, requirements gathering, BRDs, PRDs, solution roadmaps, technical documentation, agile delivery, UAT, architecture reviews, quality review, mentoring, technical coaching, cross-functional coordination

RELEVANT EXPERIENCE

LLM/MLOps Engineer | Cortex AI Solutions | Remote | Jan 2026 - Present

- Design and implement reusable Azure Machine Learning architectures for model training, evaluation, deployment, monitoring, and controlled release across production AI use cases.

- Develop Python microservices for inference and batch scoring, connecting data pipelines, APIs, model services, logging, and error-handling patterns for downstream consumers.
- Build LangChain-based RAG systems and enterprise Copilot solutions using approved company data, prompt versioning, response validation, guardrails, and evaluation harnesses.
- Deploy containerized inference workloads to Azure Kubernetes Service and instrument services with Azure Monitor-aligned metrics, structured logs, alert thresholds, and operational runbooks.
- Define data-quality, model-drift, and performance-regression monitoring; collaborate with security and delivery stakeholders on Azure RBAC-aligned access controls, auditability, and enterprise AI governance.

**Lead Project Manager / AI Automation Lead | Uplift Technologies LLC | Islamabad, Pakistan
| Jan 2025 - Mar 2026**

- Designed and built the Uplift ATS with Python, FastAPI, React/Vite, Neon PostgreSQL, Supabase Auth, REST APIs, and Anthropic Claude integration.
- Translated applicant-screening requirements into data models, OCR-first extraction, a 39-field intake pipeline, CNIC-normalized matching, integration logic, and traceable evaluation workflows.
- Architected deferred two-model evaluation using Claude Haiku for extraction and Claude Sonnet for structured scoring, with data-readiness states, validation, audit logs, exception handling, eligibility controls, and kill-switch governance.
- Led requirements workshops, BRDs/PRDs, UAT, technical documentation, stakeholder coordination, monitoring, root-cause analysis, and release fixes; SLA governance reduced missed daily calls from 39 to about 1 and callback response time from 8 hours to 3 minutes.
- Directed EMR and inventory rollout from 7 to 33 clinic sites, coordinating adoption, access controls, compliance-aligned workflows, and operational quality checkpoints.

SELECTED DATA & AI SYSTEMS

PsychGPT — LangChain RAG Content System

- Built PsychGPT for a client using a LangChain-based RAG pipeline that retrieves grounded information and generates scripts, script ideas, and translations from valid literary works.
- Combined retrieval, language-specific content generation, prompt controls, client requirements, and governed AI workflow delivery.

Enterprise Copilot Implementation

- Deployed a client Copilot instance grounded in approved company data, with guardrails, response validation, and governance-friendly knowledge workflows.

Uplift ATS — Structured AI Applicant Evaluation

- Built an OCR-first AI evaluation system with PostgreSQL-backed data, structured intake, eligibility logic, model-execution records, state tracking, and audit-grade failure outcomes.

EDUCATION

Bachelor's Degree

National University of Science and Technology, Islamabad, Pakistan | Graduated June 2021