

TAHA MAHMOOD SYED

Islamabad, Pakistan | +92-3155899936 | tahatms@gmail.com | linkedin.com/in/tahatms | github.com/tahatms12

AI AGENT ENGINEER / LLM SYSTEMS ENGINEER

PROFESSIONAL SUMMARY

AI Agent Engineer and Python full-stack builder with hands-on experience creating LLM-powered workflow systems, OCR-to-LLM pipelines, structured scoring flows, and internal automation platforms. Built production-grade AI evaluation logic using FastAPI, React/Vite, PostgreSQL, Supabase Auth, and Anthropic Claude models with deferred model invocation, state-machine orchestration, audit logs, and kill-switch governance. Strong at turning messy operational processes into reliable software with measurable reductions in missed events, response latency, and manual review burden.

TECHNICAL SKILLS

Languages: Python, TypeScript, JavaScript, SQL, R

AI / LLM: Anthropic Claude API, Haiku, Sonnet, prompt engineering, OCR-to-LLM pipelines, structured outputs, agentic workflow design, state-machine orchestration, human-in-the-loop review, evaluation logs, failure states, confidence gating patterns

Backend: FastAPI, REST APIs, JWT authentication, Supabase Auth, PostgreSQL, Neon, Supabase, Prisma ORM, porsager/postgres

Frontend: React, Vite, Next.js, Remix, HTML, CSS, Shopify Liquid

Cloud / DevOps: Render, Railway, Vercel, Netlify, GitHub Actions, pnpm workspaces, CI/CD

Data / Observability: SQL analytics, Power BI dashboards, exception logs, SLA metrics, operational KPI reporting

Delivery: BRDs, PRDs, UAT, defect triage, stakeholder demos, compliance workflows, technical documentation

SELECTED TECHNICAL PROJECTS

Uplift ATS - AI Applicant Evaluation System

- Built an end-to-end AI evaluation platform using FastAPI, React/Vite, PostgreSQL, Supabase Auth, and Anthropic Claude models.
- Designed a deferred LLM execution pipeline where model calls trigger only after both CV data and structured Excel intake fields are available.
- Implemented a strict evaluation state machine across pending_data, ready_to_evaluate, evaluating, complete, error, and ineligible states to prevent invalid transitions.
- Integrated OCR-first CV parsing with Claude Haiku for extraction and Claude Sonnet for structured applicant scoring.
- Built CNIC-normalized applicant matching, 39-field Excel importer logic, dual-source evaluation paths, exception handling, and kill-switch governance.
- Produced audit-grade logs for model execution, input completeness, scoring status, failure states, and eligibility outcomes.

Uplift Technologies LMS - AI Lesson Planning Platform

- Built a FastAPI and React/Vite learning platform with Supabase PostgreSQL and Supabase Auth, deployed across cloud hosting environments.
- Integrated cloud-deployed LLM tools using Mistral Instruct and DeepSeek OCR workflows for lesson planning and course content generation.
- Created structured course-building flows to reduce manual lesson plan creation and standardize internal training delivery.

PROFESSIONAL EXPERIENCE

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

- Designed and built the Uplift ATS end to end using FastAPI, React/Vite, Neon PostgreSQL, Supabase Auth, and Anthropic Claude API.
- Architected deferred dual-model evaluation using Haiku for extraction and Sonnet for structured scoring, reducing premature or incomplete AI calls.
- Authored BRDs and PRDs for AI calling bot deployments, specifying process maps, business logic, exception paths, input/output flows, and compliance controls.
- Owned post-launch bot governance through failure logs, exception tracking, outage records, root-cause analysis, and fix deployment.
- Engineered SLA governance that reduced daily missed client calls from 39 to about 1 and callback response time from 8 hours to 3 minutes.
- Built Power BI dashboards covering bot efficiency ratios, SLA attainment, exception volumes, and contact center KPIs.
- Implemented compliance-driven patient financial workflow restructuring that reduced DSO from 81 days to 22 days.
- Directed EMR and inventory rollout from 7 to 33 clinic sites, enforcing adoption benchmarks, access controls, and HIPAA-aligned workflows.

Software QA Engineer | Convo Corp | Los Altos, California | Oct 2024 - Jan 2025

- Designed and executed 100+ test plans across live production features, achieving 67% documented test coverage.
- Escalated 9+ high-priority defects through systematic triage, Jira AIO tracking, and Confluence audit documentation.
- Validated release behavior across user flows, defect fixes, regression paths, and stakeholder acceptance criteria.

Business Development Manager | Uplift Technologies LLC | Islamabad, Pakistan | Dec 2022 - Aug 2024

- Implemented CRM automation for lead routing, follow-up cadence enforcement, and pipeline visibility, improving operational efficiency by 25%.
- Built pipeline and conversion dashboards for executive decision-making, supporting 30% growth in client acquisition.
- Launched AI-supported outreach campaigns with structured analytics for lead generation, engagement, and conversion measurement.

EDUCATION

Bachelor of Business Administration, Finance and Management

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