

ASADULLAH SHAFIQUE

Agentic AI Developer | CMT Industry Founder | Digital Strategist

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[GitHub](#) | [LinkedIn](#) | [Portfolio](#) | [Medium](#)

PROFESSIONAL SUMMARY

Agentic AI Developer and CMT Industry Founder with 25+ years of deep textile domain expertise, now building AI-powered SaaS for Pakistan's textile value chain. Founder of Texcot Embroidery Sourcing House and creator of the **Textile ERP Platform** — a full-scale system targeting fabric mills, CMT units, and garment exporters across Faisalabad, Sialkot, Gujranwala, Karachi, and Lahore.

Completed **6 consecutive Panaversity Hackathons** (Bronze → Silver → Silver → Gold → Platinum → Agent Factory) with **85% code reusability** and **zero failed attempts**. Combines manufacturing operations mastery with modern AI engineering to digitize one of Pakistan's core industries.

CORE COMPETENCIES

Agentic AI & Agents	Cloud-Native & DevOps	Full-Stack SaaS	Domain Expertise
OpenAI Agents SDK, MCP Servers, Constitutional AI, RAG	Kubernetes, Dapr, Kafka, Docker, Helm, GitHub Actions	Next.js 15, React 19, FastAPI, PostgreSQL, Tailwind v4	Textile ERP, CMT Operations, Supply Chain, Digital Marketing

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, Python, HTML/CSS

Frontend: Next.js 15, React 19, Tailwind CSS v4, shadcn/ui

Backend: FastAPI, SQLAlchemy ORM, PostgreSQL, REST APIs

AI & Agents: OpenAI Agents SDK, MCP Servers, Constitutional AI, RAG, OpenAI API

Cloud & DevOps: Kubernetes, Docker, Dapr, Kafka, Helm, GitHub Actions, Vercel, Koyeb, Minikube

Observability: Prometheus, Grafana, Jaeger, Loki

Platforms & Tools: Git, Windows 11 / WSL2

HACKATHON ACHIEVEMENTS

Panaversity Hackathon Series — 6 Consecutive Wins | 85% Code Reuse | Zero Failed Attempts

- 🏆 **Agent Factory (H5) — 2025 | Platinum Tier**
General Agent (Claude Code) manufactures Custom Agents (OpenAI Agents SDK). SKILL.md monetization. Digital FTE deployed on Kubernetes + Dapr. 117-slide deck.

- 🏆 **Cloud-Native Deployment (H4) — 2025 | Platinum Tier**
Full K8s stack: Kubernetes + Docker + Dapr + Kafka + Prometheus/Grafana/Jaeger + Helm + GitHub Actions CI/CD.
 - 🥇 **Advanced Todo (H3) — 2025 | Gold Tier**
149 tests passing. Recurring todos, team collaboration, AI suggestions, triple-layer Constitutional AI (7 BLOCK + 5 FLAG patterns).
 - 🥈 **AI-Powered Todo (H2) — 2025 | Silver Tier**
89 tests passing. Full-stack Constitutional AI todo. 70% code reuse from H1.
 - 🥈 **Course Companion FTE (H1) — 2024 | Silver Tier**
Zero-Backend-LLM architecture. Digital FTE model. 70% code reuse from H0.
 - 🥉 **Personal AI CTO (H0) — 2024 | Bronze Tier**
Constitutional AI foundation. Established spec-first, four-session methodology.
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KEY PROJECTS

Textile ERP Platform — Pakistan (*In Development*)

Founder | 2024 – Present

Full-scale ERP targeting Pakistan's textile and garment industry — from Fabric Mills to CMT units to garment exporters.

- **Fabric Mill Module:** Roll/lot management, weaving & knitting stage tracking, yarn inventory, imported fabric handling
- **CMT Core:** Order lifecycle management, auto-billing (4 bill types), inventory with BOM, production sessions, dispatch tracking
- **Financial:** Party ledgers, cash flow tracking, financial accounts for multi-city hubs (Faisalabad, Sialkot, Gujranwala, Karachi, Lahore)
- **Live Demo:** cmt-stitching-asadullah-shafiques-projects.vercel.app
- **Stack:** Next.js 15, FastAPI, PostgreSQL, Vercel/Koyeb

Agent Factory (H5) — Panaversity Hackathon 2025

Online

- Two-tier architecture: General Agent (Claude Code) manufactures Custom Agent (OpenAI Agents SDK)
 - SKILL.md files as portable, reusable, monetizable intelligence units
 - Digital FTE pricing model targeting OpenAI Apps ecosystem (800M users)
 - Deployed on Kubernetes + Dapr
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PROFESSIONAL EXPERIENCE

Founder & CEO — CMT Stitching Operations

Texcot Embroidery Sourcing House | Karachi, Pakistan | 2020 – Present

- Founded and operate a CMT stitching unit with 30–35 employees including supervisors and production leads
- Oversee full manufacturing lifecycle: sample fabric, design analysis, machine allocation, bulk production, fabric inspection
- Building Textile ERP Platform to digitize and scale operations across Pakistan’s textile industry
- Lead digital marketing strategy: social media, property portals, and lead generation for textile clients

Marketing Manager

JK Embroidery | Karachi, Pakistan | 2016 – 2020

- Managed marketing and production planning for embroidery manufacturing operations
- Optimized staff and equipment scheduling; resolved production bottlenecks and implemented process improvements
- Led team of 30–35 staff; determined priorities based on resources and work order flow

Country Manager / Buying Agent

Steven Berry | International | 2003 – 2005

- Managed and organized international shipments, providing clients guidance throughout procurement processes
- Ensured products met established international quality standards across garment and textile categories
- Conducted pre-production, in-production, and final inspection of apparel, accessories, and textile products

DIGITAL MARKETING SERVICES

Full-spectrum digital marketing strategy for Dubai real estate, UAE construction, and Pakistani SMEs:

- Social media management (Facebook, Instagram, X/Twitter, LinkedIn) + paid advertising campaigns
- Property portal listings, lead generation funnels, and monthly performance reporting
- Tailored strategies for GCC/expat/Pakistani diaspora investors; AED-priced service packages

EDUCATION

- **Alim — 5-Year Islamic Studies Course** | Burooj Institute, Karachi, Pakistan
- **Associate Degree — Textile Technology** | Textile Institute of Pakistan (APTMA Project), Karachi, 1997
- **H.S.C Pre-Engineering** | Pakistan Shipowner’s Government College, Karachi, 1994
- **S.S.C Science** | Ladybird Grammar School, Karachi, 1992

ONLINE PRESENCE

Portfolio: asadullahshafique-devunity.vercel.app

GitHub: github.com/asadullah48 | Medium: [@textotembroiderysourcinghouse](https://medium.com/@textotembroiderysourcinghouse)

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