Muhammad Safee Ullah

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Hands-on engineer and technical founder. I designed DigiLawyer's agent runtime, wrote most of its code, and made AI legal research cheap enough to sell in Pakistan for PKR 2,000 a month. I work mostly on the parts around the model: routing, context, tools, cost and failure recovery.

Technical Skills

Languages: TypeScript, Python, SQL
AI systems: LangGraph, Vercel AI SDK, MCP, Gemini, hybrid retrieval (BM25 and vector), evals
Backend and data: Node.js, Bun, Effect, tRPC, PostgreSQL (ParadeDB, pgvector), Turso / SQLite, Redis Streams, Convex
Frontend and infrastructure: Next.js, React, React Native, AWS, Docker, Vercel, Clerk, OAuth 2.0

Experience

DigiLawyer **2022 – Present**
CTO & Co-Founder Lahore, Pakistan

- Co-founded the company and built the product from an empty repository to 23,000 registered users and about 500,000 searches, chats and drafts a year at the current rate. Led up to six engineers through three generations of the platform and wrote most of the agent runtime and backend.
- Made AI legal research affordable at PKR 2,000 a month by routing requests to small models, trimming the context sent on each call, and capping every run with hard budgets.
- Designed the agent runtime on LangGraph. A router and a planner hand work to research, document and drafting specialists, each with only the tools it needs.
- Built resumable streaming on Redis Streams so answers that take minutes survive dropped connections, and a retry never creates a duplicate turn or charge.
- Built hybrid search (BM25 and vector) over 480,000+ judgments on PostgreSQL, returning results in a median of 0.35 seconds.
- Shipped an authenticated MCP server that gives external AI clients such as Claude access to DigiLawyer's legal tools.
- Built per-organization data isolation, capability-based access control and usage-based AI credits.
- Designed an evaluation harness for retrieval, citations and tool use, still in development.

Terminal-Bench 2 **Dec 2025 – Apr 2026**
Independent Evaluation Work Remote

- Wrote about 30 terminal-based evaluation tasks for coding agents, all merged.
- Wrote task specifications, exercised graders and containers, and prototyped tooling for faster task authoring and review.

UET Lahore, Admission Office **Aug 2021 – Oct 2021**
Frontend Developer Intern Lahore, Pakistan

- Built the React Native frontend and API layer for a marketplace app used by hundreds of thousands of people on Android and iOS.
- Split a single-file codebase into modular components other developers could extend. Received a permanent offer after the internship.

Writing

- A Few Years of Streaming AI: what I learned building streamed and resumable AI responses in production.

Education

University of Engineering and Technology **2024**
B.S. Computer Science Lahore, Pakistan

References

Will be shared upon request