

Abuzar Mehar

Software Engineer
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EDUCATION

- **FAST National University of Computer and Emerging Sciences** Islamabad, Pakistan
BS in Computer Science 2019 – 2023

EXPERIENCE

- **CCRIPT Agency** Islamabad, Pakistan
Software Engineer – RAG, LLMs & Agentic AI (Full Stack) Aug 2026 – Present
 - Hired as a full stack engineer to build LLM-powered, agentic AI features end-to-end – from frontend UI through backend services to cloud infrastructure and deployment.
 - Building agentic and retrieval-augmented generation (RAG) workflows – retrieval pipelines, prompt orchestration, and multi-step tool-use – for context-aware product features.
 - Owning cloud and DevOps for shipped features – deployment and infrastructure on AWS and GCP, containerization with Docker/Kubernetes, and CI/CD across the stack.
- **Antematter** Islamabad, Pakistan (Hybrid)
Software Engineer – Full Stack & Distributed Systems Nov 2023 – Feb 2026
 - Owned features end-to-end from design through deployment and monitoring across multiple client-facing products, using AI-assisted development workflows to speed up delivery.
 - Built the backend for a real-time multiplayer platform: WebSocket/SSE messaging and distributed presence tracking for reconnect and scale-out stability under high concurrency.
 - Built Kafka pipelines for high-volume event processing and improved API response times through query optimization and caching.
 - Strengthened production reliability via monitoring and incident response, and automated CI/CD deployment pipelines.
 - Explored LLM-based automation for internal tooling to speed up log triage and debugging workflows.
- **Mergestack** Lahore, Pakistan
Associate Software Engineer Aug 2023 – Nov 2023
 - Built backend services and REST APIs for enterprise applications, and supported production deployments and debugging.

PROJECTS

- **Klone'ads – Agentic AI Video SaaS** Jun 2026 – Present
LLM-orchestrated, agentic SaaS for AI-generated UGC ads – scene-based video cloning and reel generation from a brief. Used RAG to retrieve brand/product assets and ground generated scripts, orchestrating Claude, Seedance, HeyGen, and ElevenLabs APIs.
- **Real-Time Multiplayer Game Platform** Nov 2023 – Feb 2026
Backend for real-time gameplay and state synchronization at scale – WebSocket/SSE messaging, distributed presence, and reconnect handling for concurrent users on unreliable networks.
- **Lawgbook** Nov 2025 – Jan 2026
Platform for legal activity tracking and billing automation – data ingestion from Clio, Gmail, and Zoom via webhooks/polling. Used an LLM with retrieval-augmented generation (RAG) over ingested case communications to auto-extract billable activity and generate summaries.

TECHNICAL SKILLS

- **AI & Agentic Systems:** Claude API, Vertex AI, LLMs, agentic/multi-step workflow design, retrieval-augmented generation (RAG), prompt engineering, LLM orchestration, generative AI integration (Seedance, HeyGen, ElevenLabs)
- **Languages:** JavaScript, TypeScript, SQL
- **Full-Stack & Infrastructure:** Node.js, NestJS, React, Next.js, REST, GraphQL, WebSockets, Kafka, BullMQ, PostgreSQL, MongoDB, Redis, AWS, GCP, Docker, Kubernetes, CI/CD, Stripe, FFmpeg