

Mohd Afzal

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SUMMARY

Software engineer with 2.5+ years building production AI agent systems and full-stack Web3 products end to end: Go and PostgreSQL backends, React and Next.js frontends, and LLM orchestration infrastructure.

WORK EXPERIENCE

Hashed Emergent

Software Engineer

Bengaluru, India

Dec 2025 - Present

- Build a multi-tenant AI agent platform running 15 domain agents as isolated Telegram bots on shared PostgreSQL, with a 12-stage task pipeline and 59 skills exposed over **Model Context Protocol (MCP)**.
- Cut LLM cost via a purpose-tiered model router with provider fallback and mid-turn escalation, routing sub-agents to a tier 30x cheaper per token; found a 0.3% prompt-cache hit rate and retuned TTL.
- Engineer the **Go**/Fiber and **PostgreSQL** backend for India Blockchain Week (3,500+ attendees): 218 REST endpoints, 33 tables, Telegram HMAC and Redis OTP auth, and trigram/tsvector full-text search.
- Ship the React/Framework7 Telegram Mini App (quests, leaderboards, networking, NFT collectibles) and Next.js conference sites, plus a crash-safe bulk notification worker using Redis locks and 30-goroutine batch concurrency.

DroomDroom

Software Engineer

New York, NY (Remote)

Jun 2025 - May 2026

- Built crypto analytics products including a real-time **Token Price Tracker**, a forecasting **Predictions Engine**, and a token-to-fiat conversion tool serving both retail and institutional users.
- Developed Web3 intelligence platforms: a **Fundraising Analytics** platform tracking rounds and investor portfolios, a Bitcoin/Ethereum **ETF Tracker**, a multi-chain mining ROI calculator, and a cross-asset coin holder dashboard.

Tigest

Software Engineer

Bengaluru, India (Remote)

Jul 2024 - Jun 2025

- Built AI-powered social engagement agents with configurable behaviors, and a unified scheduler integrating **LinkedIn, Twitter, Bluesky, and Reddit** with automated publishing and enterprise RBAC.
- Architected community and research intelligence platforms including **gmser.xyz** and a Twitter Research Agent generating weekly insights, competitor analysis, and project intelligence.

RevSpire

Junior Software Engineer, Internship

Bengaluru, India (Remote)

Jan 2024 - Jun 2024

- Implemented and optimized REST APIs, cutting response times up to 30% through query optimization and caching, and integrated **Salesforce** alongside AI-driven modules for automation and personalization.
- Collaborated with an agile team of 12-15 engineers to design and ship stable, scalable web components, delivering end-to-end solutions across multiple client projects.

TECHNICAL SKILLS

- Languages:** Go, TypeScript, JavaScript, Python, SQL, C/C++
- Backend:** Fiber, Node.js, Express, REST APIs, PostgreSQL, Redis, Prisma, Drizzle, Docker
- Frontend:** React, Next.js, Framework7, Redux, TanStack Query, Tailwind CSS, Vite
- AI & Infra:** Claude API, OpenAI, OpenRouter, Ollama, MCP, Agent Orchestration, OpenTelemetry, CI/CD

EDUCATION

Graphic Era University

Master of Computer Applications (MCA), GPA: 8.20/10.0

Dehradun, India

Jul 2022 - Aug 2024

Dehradun Institute of Technology

Bachelor of Computer Applications (BCA), GPA: 8.16/10.0

Dehradun, India

Aug 2019 - Jun 2022