Yaseen Khatib

Full Stack AI Developer · MERN, TypeScript, Next.js · LLM apps, RAG and AI agents in production

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SUMMARY

Full Stack AI Developer with 5 years shipping production web systems in **React, Next.js, Node.js, TypeScript** and **MongoDB** or **PostgreSQL**. Since 2025 I build the AI tooling layer at Sparity: a hybrid **RAG** system with measured retrieval quality, an **MCP** server and an AI code-review service. Made dashboards **1.5 to 2x** faster by profiling MongoDB aggregations; moved a team from JavaScript to **TypeScript and Next.js**. I own a system from database schema to deployed UI, including a client learning platform that was live one day after the brief. Open to Full Stack AI Developer roles in Hyderabad, Pune, Mumbai, Bangalore or remote India.

EXPERIENCE

Senior Software Developer, Sparity 06/2025 – Present

Hyderabad · Hybrid

- Built a local hybrid **RAG** system over the team's web-app codebase and docs: dense plus BM25 retrieval, rank fusion and a cross-encoder reranker; Recall@5 0.95 and MRR 0.83 on a golden query set, with an eval harness that fails the build below its thresholds.
- Exposed it to Claude Code through an **MCP** server with 20 retrieval and code-lookup tools; packaged so any team can vendor it into their own project.
- Built an AI pull-request review service (GitLab webhooks, Azure AD sign-in, JWT-protected APIs) and led an HR resource-to-task matching pilot (FitRank) to a manager demo.

Full Stack Developer, MSA Software 01/2023 – 05/2025

Remote

- Made dashboards **1.5 to 2x** faster by profiling slow MongoDB aggregation pipelines, adding a caching layer and lazy-loading heavy panels.
- Moved the team's legacy JavaScript to **TypeScript and Next.js**, removing a class of type-related production bugs.
- Migrated shared state from hand-rolled Redux to Redux Toolkit slices.

Software Developer (SDE 1), Manorama Infosolutions 09/2021 – 01/2023

Healthcare software · Remote

- Built REST routing layers for hospital information systems on ASP.NET and React; **2x** payload throughput on the hot paths.
- Moved tangled request handling into MVC and hardened it for concurrent user sessions.

SELECTED PROJECTS (EACH LIVE; LINKS ON YK.STREAMEROSAI.COM/PRODUCTS)

- **Esports Hub**, tournament platform built with Claude Code (Next.js 14, React, TypeScript, Hono on Cloudflare Workers, D1): sign-ups, brackets, ID cards and live screens; Google sign-in and email confirmation; about 640 browser tests and 600 API tests.
- **SpotAI**, AI gym app for Indian gyms (Vue 3, Capacitor, NestJS, PostgreSQL): squat form check runs on the phone and never uploads a frame; row-level security per gym; 190 API tests.
- **FitRank**, typed AI decisions for staffing (FastAPI, PostgreSQL + pgvector, PyTorch): a 23M-parameter MiniLM model distilled from a 9B teacher, beats a rules-only baseline on hit@5 (94% vs 91%), served on CPU; 93.5% backend test coverage; Docker and GitHub Actions CI.
- **streamerOS**, Rust and Tauri 2 desktop app for streamers, built with Claude Code: switches OBS scenes when chat spikes, no account and no cloud; 306 Rust tests.
- **Path Saathi LMS**, client project (Next.js, React, TypeScript): working platform with login and course delivery on the dev environment the day after the brief arrived.

SKILLS

Frontend: React, Next.js, TypeScript, JavaScript, Redux Toolkit, Zustand, React Native, Tailwind CSS. **Backend: Node.js, Express**, REST, WebSockets, JWT auth, Python, FastAPI, Java, Spring Boot, ASP.NET. **Data:** MongoDB, PostgreSQL, SQL Server, Redis, SQLite, pgvector. **AI: LLM integration, RAG**, embeddings and vector search, **function calling, agents, MCP**, prompt engineering, fine-tuning and distillation, LLM evals, OpenAI, Gemini and Claude APIs, PyTorch, Ollama. **Delivery:** Git, GitHub Actions, CI/CD, Docker, Cloudflare Workers, unit and integration testing, system design, Agile.

EDUCATION

B.E. Computer Science, D. Y. Patil College of Engineering, 2021 · Diploma in Computer Science, D. Y. Patil Polytechnic, 2018 · Coding Ninjas: Front End Architecture, React Production Development, Advanced Backend Systems