

Muhammad Abu Huraira

AI Product Engineer | AI Agents, Full-Stack (Next.js, TypeScript, Supabase)

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Summary

AI Product Engineer with 5+ years shipping production software for clients in the US, the Gulf and Pakistan. I take a business problem to a working AI product end to end: user flows and UI design, the agent and its guardrails, and the React, Next.js and Supabase app around it. Recent work: an AI sales chatbot and CRM for a Saudi software company, a voice agent that joins live video calls for a founder, and a four-role ERP with approval workflows. I build with Claude Code, Cursor and MCP daily and keep a human approval step on anything customer-facing.

Skills

- **AI and agents:** Claude API, Claude Code, MCP (Model Context Protocol), LLM agent architecture, prompt and context engineering, agent loops, human-in-the-loop approval, DeepSeek, Recall.ai voice agents, pgvector
- **Languages:** TypeScript, JavaScript, Python, SQL
- **Frontend:** React, Next.js, Tailwind CSS, Figma to production UI, UI/UX design
- **Backend and data:** Node.js, Express, FastAPI, Supabase (PostgreSQL), MongoDB, Firebase, REST APIs, JWT auth, role-based access control (RBAC)
- **DevOps and automation:** GitHub Actions, Vercel, Git, Cloudflare Tunnel, n8n, Make.com, Cursor

Experience

AI Engineer (Contract), Rizm Tech

Jeddah, Saudi Arabia (Remote) | Sep 2026 to Present

- Building an AI sales chatbot and CRM that captures inbound leads, qualifies them and manages follow-up in one pipeline.

- Deliver on a 48-hour MVP sprint model: scope and deadline agreed up front, MVP shipped in 48 hours, refinement running alongside the next sprint.

Technical Lead (Contract), Bennett & Co LLC

Remote | Aug 2026 to Present

- Lead technical architecture for an AI-operated website production system serving agency partners in the US and Europe, in a four-person core team reporting to the founder.
- Reviewed the previous system feature by feature and turned the findings into a build blueprint with workflows, process flows and a start-to-finish roadmap.
- Set the model strategy: hosted model APIs first, self-hosted models only after revenue is proven, keeping early infrastructure cost low.
- Built an internal idea-sharing app with graph-based, entity-level auto-sorting in two days; the founder moved it straight into team use.

Full-Stack and AI Engineer (Contract), MindxBridge

Remote | Aug 2026 to Present

- Building an ERP in Next.js for an academic mentoring and publication business: one app with role-based access control across four dashboards (CEO, Operations, QMP, Mentor), replacing an earlier prototype.
- Modeled permission-heavy workflows: projects go live only after dual QMP and CEO approval, payment requests move from CEO approval to paid, and each role sees only the amounts and statuses it should.
- Designed approval-gated mentor self-registration, live task timers and escalating notifications (in-app first, email when a request stalls).

AI Engineer, WebPhase (Flowly OS product team)

Remote | Jun 2026 to Aug 2026

- Architected a real-time voice agent that joins live Google Meet calls through Recall.ai and delivers briefings to the founder, built on FastAPI, DeepSeek and edge-tts with wake-word detection.
- Designed a staged-autonomy model (evidence, opinion, suggestion, autonomous action) that controls when the agent reports versus acts.

- Built a TypeScript and GitHub Actions pipeline that ingests the company knowledge base into Supabase daily and produces Claude-written briefings.
- Fixed production issues across the stack: async/sync blocking in the webhook handler, wrong auth headers, hardcoded regions and a self-echo timing bug.
- Set up agent loops with GitHub Issues as the control plane (a triage loop and a coding loop) and delivered three technical and operations audits to the CEO.

Software Engineer (Contract), WebPhase

Remote | Feb 2025 to Dec 2025

- Turned Figma designs into production React and Tailwind CSS components across 10+ client projects.
- Built WordPress sites and Webflow funnels and ran weekly client demos to tighten feedback loops.

AI Product Engineer (Freelance)

Remote | Dec 2018 to Present

- Delivered 80+ client projects across the US, the Gulf and Pakistan, owning the full path from scoping and pricing to Figma design, build, launch and support.
- Built Make.com and n8n automations that cut client operational overhead by 5 to 8 hours per week.
- Built a corporate website for a plastics manufacturing group on Next.js and Vercel, with a custom design direction and phased approvals.
- Built 10 websites for cabinet-installation businesses, plus funnel and course-platform scoping.
- Lead a small team of WordPress developers I trained, so my own time goes to design and AI work.

Earlier: Frontend Intern, That Nerd Studio (2023) | UI/UX Designer, Dotman Tech (2022) | UI/UX Designer, Digital Concept Marketing (2021 to 2022)

Projects

- **AI UI feedback platform:** upload a design, select any area and get AI feedback; projects, saved comments and full-design analysis behind Google sign-in. MERN, Tailwind, Gemini API, Google OAuth.

- **Taskify:** AI project platform with Kanban and Gantt views and an AI search assistant. MERN, JWT auth, Socket.io, Gemini API.
- **Flowly OS (contributor, via WebPhase):** AI-powered quiz-funnel builder for coaches and course creators. React Flow canvas, Supabase, Stripe and Paddle.

Education

BS Software Engineering, National University of Modern Languages (NUML), Islamabad | 2022 to 2026

Final year project: NLP-powered AI task manager with auto-prioritization and timeline generation.

Certifications

- MERN Stack Development Fellowship, Bytewise Limited (2024)
- Google UX Design Certificate