

Ahmed Hamza

Full-stack JavaScript engineer & frontend architect

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📍 Kolkata, India

SUMMARY

Frontend-focused full-stack engineer building reliable product systems, developer tooling, and workflow automation.

Experienced across React, Angular, TypeScript, Node.js, and PostgreSQL/Supabase, with an emphasis on UI/UX quality, testing, and maintainable architecture.

Currently operating independently, I combine B2B workflow consulting with independent tooling projects (Satori, PromptReady, and QAP Crypto CLI).

WORK EXPERIENCE

Independent Systems Architect & Technical Consultant

India

Feb 2025 - Present

- Delivered UI/UX and technical audits for B2B engagements via Biz-Con Services, identifying workflow friction across internal tools and customer-facing applications.
- Produced modernization roadmaps to reduce repeated operational steps.
- Built Satori, a semantic code retrieval system that helps AI coding agents find, read, and navigate large codebases safely using syntax-aware chunking and hybrid vector search.
- Shipped PromptReady, an offline-first Chrome extension that captures rendered web pages as clean local Markdown, backed by fixture-based tests for reliable extraction.
- Developed QAP Crypto CLI, a Python CLI that uses statistical relationship modeling to analyze crypto asset pairs, validate relationships, and export paper-run decision reports.

Project Lead Developer / Lead Frontend Developer

TeamWave, Remote, USA

Oct 2023 - Jan 2025

- Owned product delivery across Angular, React, Node.js, and UX; established CI/CD workflows and shared frontend conventions across multiple internal product surfaces to improve deployment consistency and reduce release regressions.
- Built 20+ reusable Angular/RxJS/NgRx components and standardized component + state-management patterns; improved initial load performance on key routes through frontend optimization.
- Led WORKAI, a ChatGPT-powered collaboration tool with shared prompts, reusable project notes, and role-based access control.
- Modernized a legacy AngularJS HRM/CRM/PM + dashboard: redesigned flows in Figma and rebuilt in Angular with reusable components and consistent state management, consolidating workflows into a single interface.
- Built a custom drag-and-drop e-signature builder natively in Angular, enabling secure, complex document workflows without third-party constraints.
- Introduced coding guidelines and peer review practices to improve code consistency and reduce delivery friction across the engineering team.

Project Lead, DeFi Frontend

Unbanking DAO, Remote

May 2024 - Jan 2025

- Designed and developed a React-based DeFi interface optimized for readable, wallet-connected transaction flows.
- Integrated ethers.js with wagmi and thirdweb to establish secure wallet connections and reliable smart contract interactions with clear error handling and recovery states.
- Implemented swap and liquidity flows using the 0x protocol, with clear transaction states, approvals, and confirmation feedback to reduce common execution errors.

Frontend Web Developer

ClearTax India, Bangalore Urban, India

Mar 2021 - Apr 2023

- Built and maintained Angular and React features for internal ClearTax products, improving UI flow logic and frontend maintainability.
- Refactored legacy UI flows and tuned rendering performance for faster data-entry workflows based on user feedback.
- Built a Puppeteer + Node.js automation pipeline to migrate 1,500+ heavily formatted WordPress articles, reducing the migration timeline from ~2-3 months to ~1 month.
- Facilitated and Supported A/B testing and measurement workflows using Google Tag tooling to enable data-driven product decisions.

Frontend Developer / UI Designer

Freelance, Kolkata, India

Sep 2020 - Feb 2021

- Built responsive Angular interfaces from client requirements, pairing UI design in Figma with production implementation.
- Delivered UI implementations and small automation scripts, strengthening the product-design + engineering workflow later applied at ClearTax and TeamWave.

SKILLS

- **Frontend & UI/UX:** React, Angular, TypeScript, Chrome MV3, RxJS, NgRx, Redux, Figma, design systems, WXT
- **Backend & Data:** Node.js, Express, PostgreSQL, Supabase, REST APIs, GraphQL APIs, authentication, role-based access
- **Systems & Tooling:** Vector search, OpenRouter, Puppeteer, Typer, Python, Git, CI/CD, Milvus/Zilliz
- **Testing:** Jest, Vitest, Angular Testing, fixture-backed testing
- **Web3 & Quant:** ethers.js, wagmi, thirdweb, 0x, paper simulation, statistical modeling, walk-forward testing

EDUCATION

B.Com (Hons.)

Kolkata, India