

Sharique Chaudhary

Software Engineer | Full-Stack + Systems

khanshariq92213@gmail.com | +91 72081 79779 | Thane, India | [linkedin.com/in/Oxshariq](https://www.linkedin.com/in/Oxshariq) | github.com/Oxshariq | sharique.me

PROFESSIONAL SUMMARY

Software engineer focused on systems and full-stack development, with hands-on experience building Rust infrastructure and TypeScript/Next.js applications. Designed a domain-agnostic Rust platform and an indexing engine, with experience spanning runtime/lifecycle systems, reliability, real-time data pipelines, backend APIs, and AI-enabled products.

ENGINEERING EXPERIENCE

Nizaam Islamic Ecosystem | Founder & Systems Engineer

September 2026 – Present

Rust | Systems Engineering | Infrastructure | Indexing | Testing | Open Source

github.com/nizaam-islamic-ecosystem

- Designed and implemented Nizaam Core, a domain-agnostic Rust infrastructure layer: typed contracts and identities, runtime/lifecycle, transport and message framing, security boundaries, observability, retry/idempotency, internal events, and a Control Plane.
- Built the Nizaam Indexing Engine on top of Core: index versioning, query planning and retrieval, build/update/rebuild/publication workflows, integrity validation, capacity accounting, and durable execution with recovery.
- Validated Core with 2,311 passing tests (1,576 unit, 735 integration) and zero failures, including conformance, fault-injection, and stress suites; the Indexing Engine includes 992 test functions.
- Published nizaam-core v1.0.1 and nizaam-indexing v1.0.0 on crates.io (MIT); now developing further engines on top of Core.

SELECTED PROJECTS

Ghost AI | github.com/Oxshariq/ghost-ai

August 2026

Next.js, TypeScript, Clerk, Prisma, PostgreSQL, Liveblocks, React Flow, Trigger.dev, Gemini, Vercel AI SDK

- Built a real-time collaborative system-design workspace (React Flow, Liveblocks) with synchronized canvas state, presence, live cursors, and persistent project state.
- Designed an asynchronous AI workflow using Trigger.dev and Gemini to generate and edit architecture diagrams and Markdown technical specifications as durable background tasks.

CoinPulse | github.com/Oxshariq/coinpulse

August 2026 – Present

Next.js, TypeScript, SWR, Lightweight Charts, CoinGecko API, Binance WebSocket, Tailwind CSS

- Engineered a shared Binance WebSocket manager with subscription deduplication, connection pooling, and automatic reconnection with exponential backoff for real-time market data.
- Implemented bounded LRU/TTL caching and rate-limit-aware, timeout-guarded CoinGecko requests with data validation.

Next.js, TypeScript, Clerk, Supabase, PostgreSQL, Gemini, Vercel AI SDK, Cheerio, PostHog

- Built an automated news-ingestion pipeline that discovers candidate article URLs, extracts content, stores structured data in Supabase/PostgreSQL, and runs scheduled processing.
- Integrated Gemini analysis (summaries, bias analysis, related stories) into the pipeline, with Clerk authentication and PostHog instrumentation.

Next.js, TypeScript, Clerk, MongoDB, Mongoose, Vercel Blob, Vapi, Zod, React Hook Form

- Built a full-stack document application with PDF ingestion and parsing, persistent book data in MongoDB/Mongoose, authenticated user workflows, and Vercel Blob file storage.
- Integrated Vapi for real-time voice conversations with book content, including voice selection and conversation transcripts.

TECHNICAL SKILLS

Languages	Rust, TypeScript, JavaScript, Python, Go, C/C++
Full-Stack & Backend	Next.js, React, Node.js, Express.js, Tailwind CSS, REST APIs, WebSockets, Authentication
Systems & Engineering	System Design, API Design, Concurrency, Testing, Caching, Real-Time Systems
Data & Infrastructure	PostgreSQL, MongoDB, MySQL, Redis, Prisma, Docker, Linux, Git, GitHub

EDUCATION

B.Tech. in Computer Science New Horizon Institute of Technology & Management	2023 – 2027
--	-------------