Uzair Manan

Full Stack Developer, Backend Focus

Karachi, Pakistan (open to remote) | uzairmanandev@gmail.com | +92 316 8067371

uzairmanan.com | github.com/M-Uzair-dev | linkedin.com/in/uzair-manan

SUMMARY

Full stack developer with 3+ years of client work in Next.js, Node.js and TypeScript, most of it on the backend. I build systems that have to stay correct under concurrency and crashes: a payment ledger tested by killing the process mid-transaction, a flash-sale engine that held 900 concurrent buyers with zero oversold, and an auth template published on npm.

SKILLS

Backend: TypeScript, JavaScript, Node.js, Express, NestJS, REST APIs, BullMQ, Prisma, Mongoose, Zod, JWT
Data and infrastructure: PostgreSQL, MongoDB, Redis, Docker, AWS (EC2, RDS, ElastiCache, S3), Vercel, Nginx, Vitest, CI
Frontend: Next.js, React, Tailwind CSS
Practices: idempotency, transactional outbox, concurrency control, rate limiting, caching, message queues, crash testing

EXPERIENCE

Full Stack Developer, Codiest (Remote) — 2024 – 2026

- Built CoinQuest (coinquest4kids.com), a paid money-skills platform for children aged 6–12: Next.js frontend, Express API, MongoDB and admin panel, from first commit in Nov 2025 to the May 2026 release.
- Designed an investment wallet that computes compound interest on read from elapsed time, with no scheduled jobs, so balances can't go stale and the API runs on serverless hosting.
- Shipped Stripe subscriptions (plan changes, cancellation, billing portal) and a bcrypt PIN-gated parent mode that converts coins to real allowance and approves withdrawals.

Freelance Full Stack Developer, Independent (Remote) — 2023 – Present

- Optimus (Mar – Jul 2026, solo): built an operations platform for a construction firm covering billing cycles, contracts, vendors, payroll and tax liability, with 5 staff roles across 22 data models.
- Wrote a generic approval queue that stores only the changed fields plus a snapshot, so the owner approves every staff edit as a diff, and modeled 6 transaction types in one collection with Mongoose discriminators.
- Corlee (May 2024 – Aug 2025, frontend): built the storefront, a 3D fabric preview and the admin panel for a bilingual English/Mandarin fabric catalogue against a Django REST API; live at corleeandco.com.

PROJECTS

Invariant, payment processor with a ledger — Sep – Oct 2026

NestJS, PostgreSQL, Redis, Vitest, Docker, AWS · github.com/M-Uzair-dev/invariant

- Approvals are conditional updates in one transaction, so a payment is charged at most once and no money is created or lost.
- Webhooks go through a transactional outbox with HMAC signing, leased workers, fenced write-backs and a dead letter.
- Crash suite sends SIGKILL at exact statements by holding Postgres row locks the app needs; a chaos run of 8 random kills ends with zero reconciliation drift. 333 end-to-end tests run against real Postgres and Redis.

FluxBuy, flash-sale backend — Jun – Oct 2026

NestJS, Redis, PostgreSQL, BullMQ, Prisma · github.com/M-Uzair-dev/FluxBuy

- Moved stock to Redis with an atomic Lua check-and-decrement and payment onto a BullMQ queue; capacity went from about 70 concurrent buyers (row-locked version) to 900 concurrent winners with zero units oversold.
- Fixed a race where the payment and cleanup workers both settled the same order, by making each claim it with a conditional status update; reproduced it by starving the queue at 400 buyers.

RedAuth, auth backend template on npm — Mar – Apr 2026

Express 5, TypeScript, Prisma, PostgreSQL, Redis, BullMQ, Zod · npmjs.com/package/redauth

- 14 endpoints with per-device sessions, refresh token rotation that revokes every session when a replayed token appears, Redis-backed instant revocation and rate limits, and 119 tests against real Postgres and Redis.

EDUCATION

BSc Software Engineering, University of Karachi — 2025 – 2028 (expected)