

Dhruva Singh Chauhan

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S U M M A R Y

Full-stack engineer with 3+ years shipping product surfaces and APIs in production — React/Next.js front ends, Node.js services, and PostgreSQL data layers. Reduced API latency by 80% through Redis caching and query restructuring, built multi-stage LLM pipelines with real-time streaming, and delivered B2B SaaS platforms end-to-end with high ownership in small teams. Strong in relational data modelling (Prisma, Drizzle ORM), GraphQL, async orchestration, and TypeScript-first architectures.

E X P E R I E N C E

Forthelume

Full-Stack Engineer · Gurgaon, India

Mar 2026 – Sep 2026

- Built and owned the entire product stack for a production fashion-tech marketplace — pnpm + Turborepo monorepo, Next.js App Router (Vercel), Hono/Node.js microservices on GCP Cloud Run (asia-south1), Neon Postgres via Prisma & Drizzle ORM, Upstash Redis, Cloudflare R2 (public + private buckets), and Supabase auth.
- Architected a first-of-its-kind avatar-based 3D garment try-on system — multi-stage async pipeline: perspective synthesis, garment compositing, and GLB model generation, orchestrated via GCP Cloud Tasks with polling, versioned pipeline switching via a single env var, and Postgres job state tracking.
- Built a multi-stage LLM pipeline for tech-pack ingestion: Claude (Anthropic API) parses images and PDFs into validated specs (Zod-typed, per-look extraction); gpt-image-2 renders photoreal on-model candidates; async workers on Cloud Tasks handle parse → generate → promote stages with typed error handling and deterministic terminalisation.
- Enforced per-user weekly quotas using atomic Lua scripts on Upstash Redis — fail-open on infrastructure errors, env-configurable limits, exemption list, and proactive quota display via dedicated endpoints and React Query invalidation.
- Shipped 20+ ORM migrations — products, collections, try-on jobs, tech-pack jobs — with cache-bypass guards for archived/private entities, atomic productCount consistency in collection transactions, and a dedicated archive/unarchive endpoint pattern.
- Hardened production security: six HTTP headers, HMAC-based internal service auth across microservices, build-time feature flags via dead-code elimination, and resolution of a P0 backdoor vulnerability.

Digimantra Labs

Full-Stack Developer · Mohali, Punjab

Oct 2023 – Feb 2026

- Architected the full frontend and optimised backend APIs for SourceForceAI — a B2B SaaS supplier discovery platform on a 60M+ record PostgreSQL database. Reduced API response times from 60s+ to ~12s via Redis caching, composite indexing, and query restructuring (80% latency reduction). Scaled throughput with Node.js cluster mode to handle 80,000+ API calls/day.
- Implemented SSE for real-time AI data streaming and integrated Firebase vector embeddings for semantic supplier retrieval — full-stack delivery across Next.js, Node.js, Firebase, Redis, TypeScript.
- Built MathLadder AI end-to-end — adaptive Q&A engine dynamically shuffling questions across chapters, topics, and difficulty tiers (L1–L4) with live marks-weightage adjustment. Covered critical paths with Jest unit tests across API endpoints and React components.
- Delivered and maintained GraphQL APIs at enterprise scale for EarthLink (US ISP) — REST and GraphQL endpoints with secure auth, error handling, and full frontend. Stack: Next.js, Node.js, PostgreSQL, TypeScript.

S K I L L S

Frontend React.js, Next.js (App Router, SSR/SSG), TypeScript, Tailwind CSS, Framer Motion, Redux, Zustand

Backend Node.js, Hono, Express.js, GraphQL, REST APIs, WebSockets, SSE, Node.js Cluster Mode

AI / LLM Anthropic API (Claude), OpenAI API (gpt-image-2), LLM pipelines, vector embeddings, async job orchestration

Databases PostgreSQL (Prisma, Drizzle ORM, Neon), MongoDB, Firebase, Redis (Upstash), Cloudflare R2

Infra & DevOps GCP Cloud Run, Cloud Tasks, Docker, Vercel, Turborepo, CI/CD, Jenkins, AWS

Testing Jest

E D U C A T I O N

B.Tech, Computer Science & Engineering · Lovely Professional University · 2024 · GPA 8.0/10

A W A R D S

Rising Star (2024) — Digimantra Labs · Recognised for technical contributions and growth within the first year.