Devdeep Dhariwal

Backend Developer

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devdeepdhariwal Portfolio

PROFESSIONAL SUMMARY

Analytical Backend Developer experienced in REST API design, database modeling, caching and authentication. Proficient in Node.js, PostgreSQL, MongoDB and Redis. Collaborative problem solver with a record of shipping tested, production-style systems.

EDUCATION

B.Tech in Computer Science 2024 – 2028
GJUS&T HISAR

Micro-Credit Program in Computer Science 2024 – 2025
Daksh Gurukul - IIT Guwahati

SKILLS

Technical skills: HTML, CSS, JavaScript, React, Node.js, Express.js, MongoDB, Git, GitHub, MySQL, Next.js, Tailwind CSS, PostgreSQL, Redis, Prisma, REST APIs, Razorpay, Zod, Vitest, Postman

Soft skills: Communication (IELTS Band 7), Teamwork

Programming: C++, Data Structures and Algorithms

PROJECTS

E-Commerce Backend API
- Built a concurrency-safe checkout using Redis distributed locks (SET NX EX, token-based release) and atomic MongoDB stock updates with $gte guards, with compensating rollback on partial failure; blocked duplicate pending orders and made order cancellation atomic.
- Implemented single-use JWT refresh token rotation (SHA-256 hashed in PostgreSQL) and Redis access-token blacklisting for instant logout; replayed tokens are rejected, verified by integration tests.
- Integrated Razorpay webhooks with raw-body HMAC-SHA256 verification, event-ID deduplication in Redis and idempotent, transactional order settlement for captured and failed payments.
- Designed a polyglot persistence layer (PostgreSQL/Prisma, MongoDB/Mongoose, Redis) with response caching, SCAN-based invalidation, Redis-backed rate limiting and Zod validation across all route modules.
- Built an EAV variant catalog with Atlas Search (fuzzy, compound filters) and offset and cursor pagination; 103 integration tests (Vitest, Supertest).
- **Tech Stack: Node.js, Express, PostgreSQL, Prisma, MongoDB, Redis, Razorpay, Vitest**

DevJournal
Founder & Developer
- Built a developer learning platform where users log daily entries across public or private timelines and share them via @username profiles and entry links.
- Added rich entries: syntax-highlighted code, Mermaid diagrams and tables, with one-click AI formatting and auto-generated titles, tags and revision notes (Groq).
- Implemented spaced-repetition reviews, streak tracking, activity heatmap, follows, notifications and weighted full-text search.
- Secured sign-in with Google/GitHub OAuth and JWT sessions; integrated Razorpay for a freemium Pro plan.
- **Tech Stack: Next.js, Node.js, MongoDB, Razorpay, Groq, Tailwind CSS**

Certificates

- Micro-Credit Program in Computer Science