

Devang Sharma

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CAREER OBJECTIVE

Final-year Computer Science student combining strong academic foundations with hands-on software engineering experience. Curious by nature and persistent by choice, I enjoy taking on challenges beyond my current knowledge, learning quickly, and seeing ideas through to completion while collaborating to build reliable, impactful software.

EDUCATION

JECRC University

Bachelor of Technology in Computer Science & Engineering

Aug. 2023 – May 2027

Jaipur, India

TECHNICAL SKILLS

Languages : JavaScript, TypeScript, Python, Java, C++, SQL, HTML, CSS

Frontend : React.js, Next.js, React Flow, Tailwind CSS, shadcn/ui

Backend : Node.js, Express.js, REST APIs, Clerk Auth, Trigger.dev, Spring Boot, Apache Kafka

Databases : PostgreSQL (Neon DB), MongoDB, DrizzleORM, H2

Infra / Tools : Docker, Kubernetes, Git, Vercel, Liveblocks, Arcjet, Upstash/QStash, jsPDF, Zod, Gemini 2.5 Flash

PROJECTS

PaperGen AI | *Next.js, TypeScript, Tailwind v4, Gemini API, jsPDF, Zod, React Hook Form, Framer Motion*

Jul. 2026

- Built an **AI-powered exam paper generator** using Gemini 2.5 Flash, clean structured output supporting MCQs, short answers, and long-form questions.
- Designed a fully configurable form (subject, topics, difficulty, marks) with Zod validation and Ctrl+Enter shortcut; output includes a complete paper with sections, a marking rubric, and an auto-appended answer key.
- Implemented A4-accurate PDF export via jsPDF with page-break awareness, print-standard margins, and native print mode; enforced **per-IP rate limiting** at 10 requests/minute to prevent API abuse.

Fuse AI | *Next.js, React Flow, Liveblocks, Gemini 2.5 Flash, Trigger.dev, Neon DB, Clerk, Vercel*

Jun. 2026

- Shipped a full-stack **collaborative system-design platform** including a live canvas, AI-driven diagram generation.
- Engineered an LLM agent (Gemini 2.5 Flash via Vercel AI SDK) that parses plain-English prompts and programmatically writes nodes and edges into a shared Liveblocks room, **reducing architecture drafting time** compared to manual diagramming.
- Implemented durable background task execution via Trigger.dev for AI design and Markdown spec generation, streaming real-time run-status to clients through scoped public tokens.

Subscription Management API | *Node.js, Express.js, MongoDB, JWT, Arcjet, Upstash/QStash*

Sep. 2025

- Engineered a production-ready RESTful API for subscription lifecycle management with **JWT authentication**, role-based access control, and automated email reminder workflows via Upstash QStash.
- Integrated Arcjet for advanced **rate limiting and bot protection**, mitigating API abuse and improving reliability; structured the codebase with centralized error handling and reusable middleware.

JPMorgan Chase – Software Engineering Virtual Experience | *Java, Spring Boot, Apache Kafka*

May 2025

- Built a real-time **transaction processing system** using Java, Spring Boot, and Apache Kafka to handle high-throughput message streaming and customer balance queries.
- Designed RESTful APIs for transaction management and customer incentives with H2 database integration in a microservices architecture.

CERTIFICATIONS

Google Cloud Engineering Certificate

Nov. 2025

Google Cloud

Google Cloud Computing Foundations Certificate

Jul. 2025

Google Cloud

Meta Full-Stack Engineer Professional Certificate

Jun. 2025

Coursera, Authorized by Meta