

SUMIT KUMAR

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[LinkedIn](#) | [GitHub](#) | [LeetCode](#) | [Portfolio](#)

PROFESSIONAL SUMMARY

Backend and Distributed Systems Engineer with hands-on experience architecting microservices platforms, high-concurrency event-driven pipelines, low-latency C++ engines, and AI workflow integrations. Proficient in Domain-Driven Design (DDD), CQRS, and Event-Driven Architectures (EDA) using NestJS, Node.js, Express, RabbitMQ, PostgreSQL, and MongoDB. Expert in data access layers utilizing TypeORM and Mongoose, Redis caching/scaling, and secure payment systems (Stripe Connect, Paymongo, Razorpay). Solved 220+ Data Structures & Algorithms challenges on LeetCode.

TECHNICAL SKILLS

Languages: C++, TypeScript, JavaScript (ES6+), Python, Java, SQL, C

Backend & APIs: NestJS, Node.js, Express.js, RESTful APIs, WebSockets, Socket.io, Microservices, Domain-Driven Design (DDD), CQRS, Event-Driven Architecture (EDA), Inbox-Outbox Pattern

Databases & ORMs/ODMs: PostgreSQL, MongoDB, Redis, MySQL, TypeORM, Mongoose, TypeORM Transactional

Messaging & Event Queues: RabbitMQ (amqplib), BullMQ, Redis Pub/Sub

AI, Payments & Tools: LangChain, LangGraph, Google Gemini API, Deepgram Voice STT, FFmpeg, Stripe Connect, Paymongo API, Razorpay, Docker, Git, Linux (CLI), Postman, React, Next.js, TailwindCSS

PROFESSIONAL EXPERIENCE

Zenmonk Software & Services | Full Stack Developer | *Mohali, India*

Feb 2026 – Present

- Architected modular microservices platforms using NestJS, Next.js, React, and TypeScript with decoupled domain logic and TypeORM relational persistence models.
- Implemented resilient asynchronous message pipelines and event-driven communication systems utilizing RabbitMQ, BullMQ, and Docker.
- Applied Domain-Driven Design (DDD) and CQRS patterns to build maintainable, decoupled core application modules.
- Participated in agile peer code reviews, automated route testing with Postman, and schema validation with Zod.

Techbuilder | Node.js Developer | *Mohali, India*

Nov 2025 – Feb 2026

- Maintained scalable backend services in Node.js for a ride & food delivery platform (mobile app + web dashboard), supporting real-time orders.
- Integrated PayMongo and GWallet (Philippines) payment gateways and architected Stripe Connected Accounts for vendor/driver onboarding and automated payouts.
- Designed webhook-driven payment flows.
- Worked extensively with Git and GitHub (feature branches, pull requests, code reviews, merge conflict resolution) to ensure clean collaboration and stable production releases.

CodeQuotient | MERN Stack Intern | *Panchkula, India*

Feb 2025 – Nov 2025

- Built responsive full-stack applications using MongoDB, Mongoose, Express, React, and Node.js (MERN) stack.
- Mastered core computer science principles and data structures, completing over 220+ challenges on LeetCode using C++.

KEY PROJECTS

LangChain AI Agent POC | *TypeScript, Node.js, LangChain, LangGraph, Google Gemini API*

- Developed an intelligent agentic POC exploring AI workflows using LangGraph and LangChain JS/TS, leveraging Gemini LLM API, memory layers, and custom tool binding architectures.

Eternal Frames | *NestJS, TypeScript, TypeORM, PostgreSQL, RabbitMQ, Razorpay, Next.js, Redux Toolkit*

- Engineered a multi-tenant event photography gallery & studio management platform featuring subscription tier billing via Razorpay links, modular NestJS DDD architecture, and transactional Outbox messaging with RabbitMQ.

Deca Chat | *NestJS, WebSockets, Socket.io, TypeORM, PostgreSQL, RabbitMQ, Next.js, Redux Toolkit, Chart.js*

- Architected a real-time multi-room messaging system utilizing NestJS DDD, WebSockets, transactional Inbox-Outbox message synchronization via RabbitMQ, and a weekly chat analytics dashboard.

AI Resume Builder | *Node.js, Express, MongoDB, Gemini API, Deepgram STT, FFmpeg, BullMQ, Redis*

- Engineered an AI profile and resume synthesis platform utilizing FFmpeg to extract audio and Deepgram API (Nova-3 STT) for speech transcription, with Google Gemini API (gemini-1.5-flash) to structure transcriptions into validated JSON profile data, backed by BullMQ/Redis async queues.
- C++ Custom Web Crawler** | *Raw C++, Sockets, Data Structures, Memory Management*
- Built a web crawler in raw C++ using custom generic string, linked list, and hashmap libraries — completely avoiding external dependencies or standard string methods.

EDUCATION

Master of Computer Applications (MCA) Chandigarh University	2025 – 2027
Bachelor of Computer Applications (BCA) Kurukshetra University CGPA: 7.5	2021 – 2025
Class 12 (Senior Secondary) Arya Sr. Sec. School, Panipat	2021
Class 10 (High School) Arya Sr. Sec. School, Panipat	2019

ACHIEVEMENTS & ACTIVITIES

- Ranked 1st Place in On-Spot Programming/Coding, Zerone IT Fest.
- Ranked 2nd Place in Bug Hunt / Debugging, Zerone IT Fest.
- Served as a National Cadet Corps (NCC) Cadet and National Service Scheme (NSS) Volunteer.