

Shivam Gupta

Full-Stack Software Engineer

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PROFESSIONAL SUMMARY

Full-Stack Software Engineer with 4+ years building and shipping production-grade systems across finance, artificial intelligence (AI), and real-time communication. Core engineer on a deployed disaster-response platform (WebRTC/Mediasoup with edge-to-cloud synchronization) and shipper of live products including a programmatic-SEO Software-as-a-Service (SaaS) and a Shopify App Store application. Strong in React, TypeScript, Node.js/NestJS, Python/FastAPI, PostgreSQL, Docker, and Large Language Model (LLM) / agent systems. Represented the company at ATR Open House 2025, Kyoto, Japan.

TECHNICAL SKILLS

- **Languages:** TypeScript, JavaScript, Python, SQL, HTML, CSS
- **Frontend:** React, Next.js, Vite, Tailwind CSS, React Native (Expo), D3.js, Recharts, React Query, Internationalization (i18next)
- **Backend:** Node.js, NestJS, Express, Fastify, Python FastAPI, REST APIs, GraphQL, WebSockets (Socket.io), BullMQ, pg-boss
- **Databases:** PostgreSQL, MySQL, Redis, SQLite, Prisma, Drizzle, Sequelize, pgvector / Qdrant (vector databases)
- **AI & Real-Time:** LLM orchestration, Model Context Protocol (MCP), WebRTC, Mediasoup SFU, Automatic Speech Recognition (ASR) / Text-to-Speech (TTS), OpenCV / PaddleOCR (Optical Character Recognition)
- **DevOps & Cloud:** Docker, Docker Compose, Nx, Turborepo, GitHub Actions (CI/CD), Nginx, systemd / edge deployment, Netlify, Vercel, Render
- **Practices:** Microservices, monorepo architecture, OAuth / JSON Web Tokens (JWT) / Role-Based Access Control (RBAC), AES-256 encryption, Progressive Web Apps (PWA), Agile/Scrum

PROFESSIONAL EXPERIENCE

Full-Stack Software Engineer — Wisflux Tech Labs, Jaipur, India

Jun 2022 – Present

- Core engineer on **X-FACE / LACS**, a deployed disaster-response communication platform: multimodal voice/video/text over WebRTC/Mediasoup with on-device ASR/TTS, offline-first edge-to-cloud PostgreSQL synchronization, Geographic Information System (GIS) mapping, and one-touch provisioning of field mini-PCs; showcased at ATR Open House 2025, Kyoto, Japan.
- Built **GIBP**, a multi-tenant fintech/accounting platform on a NestJS API integrated with the Formance ledger (organizations, bills, vendors, reconciliation), with React admin portals and end-to-end test coverage.
- Contributed to **Emmple (Typezap)**, a live ed-tech learning platform (gamified typing with core subjects) serving students across web and WhatsApp over ~2 years.
- Architected modular backend services with JWT authentication, RBAC, and API versioning, reducing API response latency by up to 30%.
- Dockerized development and production environments and streamlined CI/CD pipelines, improving release stability and developer onboarding.
- Published **Streamverse**, an open-source npm package for WebRTC audio, video, and screen sharing with Mediasoup SFU integration.

KEY PROJECTS

pSEO Engine — Programmatic-SEO SaaS

Live: pseo.cloud

Next.js, Drizzle, PostgreSQL/pgvector, Better Auth, pg-boss, multi-LLM router, Lemon Squeezy

- Built a developer-first platform that generates and quality-gates penalty-resistant SEO landing pages (semantic deduplication via pgvector, thin-content guardrails) and publishes them into a customer's repository via GitHub pull request or a pull Application Programming Interface (API).

- Implemented a resilient multi-provider LLM router (OpenRouter / NVIDIA / Gemini) with automatic failover, and billing via Lemon Squeezy as merchant of record.

Resite — AI Resume Platform

Live: resite.live

NestJS, PostgreSQL/TypeORM, BullMQ + Redis, Puppeteer, Google OAuth

- Built an AI resume platform to create and tailor ATS-optimized resumes, score any resume against a job description, and publish a personal portfolio to a custom subdomain; NestJS API with queue-based PDF/DOCX parsing and Puppeteer rendering over multi-tenant PostgreSQL.

StockSafe Bundles — Shopify App

Live on [Shopify App Store](#)

Shopify App, React Router, Prisma, PostgreSQL (Neon), pg-boss, Render

- Shipped a Shopify app that keeps product-bundle inventory accurate across fulfillment locations through a reconcile → diagnose → audit engine, with drift detection and an append-only audit trail.

UACE — Universal AI Context Engine

Published: [npm \(uace-mcp\)](#)

TypeScript, Model Context Protocol (MCP), SQLite + sqlite-vec, local embeddings, VS Code extension

- Built a local-first MCP server that gives any AI coding assistant (Claude Code, Cursor, Copilot) one shared project memory with offline semantic search, git history ingestion, and live file-watch; published to npm with a companion VS Code extension.

SmartTrader — Algorithmic Trading Platform

Nx monorepo, NestJS, React + Vite, Python FastAPI, PostgreSQL, Socket.io, Docker

- Designed a polyglot platform for the Indian stock market (NSE) backtesting 28 strategies, with a live market scanner and real-time WebSocket and Telegram alerts, candlestick charting, and portfolio/risk tracking.
- Also built **crypto-ai**, a 12-strategy crypto-futures quant system with walk-forward and Monte-Carlo robustness testing and a scikit-learn meta-label P(win) filter.

Glacier Dev — Multi-Agent AI Web Builder

Next.js, Google Gemini, OpenRouter, Supabase, Monaco Editor, Sandpack

- Built an autonomous prompt-to-deployed-app platform using multi-agent orchestration (Architect, Backend, UI agents), an in-browser Monaco/Sandpack editor, and one-click deployment.

Echo — End-to-End Encrypted Messaging PWA

React, TypeScript, WebRTC, libsodium, IndexedDB, Docker

- Offline-first, self-hosted messaging Progressive Web App with libsodium end-to-end encryption and peer-to-peer WebRTC voice/video that prioritizes local-network connections; QR pairing, no accounts.

EDUCATION

Bachelor of Technology (B.Tech), Computer Science Engineering

2019 – 2023

Anand International College of Engineering, Jaipur • CGPA: 8.5 / 10.0

ACHIEVEMENTS & RECOGNITION

- Represented Wisflux Tech Labs at **ATR Open House 2025**, Kyoto, Japan — an international technology showcase and collaboration event.
- Shipped three live products: **pSEO Engine** (pseo.cloud), **Resite** (resite.live), and **StockSafe Bundles** (Shopify App Store).
- Published npm packages: **UACE** (uace-mcp, MCP server) and **Streamverse** (WebRTC SDK).
- Maintain 65+ repositories spanning full-stack web, AI agents, real-time systems, and algorithmic trading.