

# ABHAY J SHARMA

## Software Engineer | PostgreSQL, SQL, Python & Data Workflows

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### PROFESSIONAL SUMMARY

Software engineer with experience in PostgreSQL schema design, data migration, backend services, and workflow automation. Migrated legacy Shopify workflows into a normalized PostgreSQL backend and synchronized 500+ live products and state models. Built LLM/RAG solutions and n8n automations, and deployed backend services to cloud infrastructure. Seeking to apply this foundation to Python-based data pipelines, data quality, and AI/ML data workflows.

### PROFESSIONAL EXPERIENCE

#### VCNITI Technologies — Full Stack SDE I

May 2026 – September 2026

- Migrated legacy Shopify workflows into a normalized PostgreSQL/NestJS backend; synchronized 500+ live products and associated state models.
- Built customer, supplier, and admin dashboards and multi-vendor workflows using Next.js, NestJS, and PostgreSQL.
- Deployed backend services on AWS Lightsail with Neon serverless PostgreSQL and Upstash Redis caching.
- Implemented technical SEO updates, structured data, and sitemaps; monitored indexing health using Google Search Console.

#### Freelance Full Stack Developer — Self-Employed

2025 – Present

- Built ERP/HMS solutions and business analytics dashboards; developing a mobile-first operations management system for project tracking, measurements, labour coordination, and quotations.
- Built LLM-based RAG solutions, n8n workflows, and WhatsApp communication automation, with full-stack applications, cloud storage, and deployment.

#### Skylights Energy — Frontend Developer, Bengaluru

March 2024 – June 2024

- Built responsive internal business components using React.js and Tailwind CSS within Agile sprints.
- Integrated front-end modules with Firebase and backend REST APIs; resolved client-rendering issues.

### PROJECT EXPERIENCE

#### VCNITI Procurement Platform — vcniti.com

- Built multi-vendor logistics workflows, supplier tracking boards, and split automated settlements through Razorpay integrations.

#### AI Automated Customer Support — Live App

- Built a conversational support portal with streaming responses; reduced standard manual support requests by 40%.

#### Global Real-Time Air Quality Dashboard — GitHub

- Built a map-based dashboard using Leaflet APIs to display live global air-quality data.

#### Hisab — Mobile Carpenter Billing App — GitHub

- Built an offline-first billing app for non-technical users; reduced invoice generation time by 50%.

### TECHNICAL SKILLS

#### Languages

Python, SQL, JavaScript (ES6+), TypeScript, HTML5, CSS3

#### Databases & Data

PostgreSQL, MongoDB, Prisma ORM, TypeORM, Neon, Upstash Redis, database schema design, migrations, data synchronization

#### Backend & APIs

Node.js, NestJS, Express.js, REST APIs, API integrations, Server-Sent Events (SSE)

#### Automation & AI

n8n, LLM-based applications, Retrieval-Augmented Generation (RAG), WhatsApp automation

#### Cloud & Deployment

AWS Lightsail, Firebase, Cloudflare R2, Vercel, Netlify, cloud storage and deployment

#### Frontend

React.js, Next.js, React Native (Expo), Tailwind CSS, Material UI, Framer Motion

#### Testing & Engineering

Unit and integration testing, debugging, performance optimization, Git, GitHub, Postman, Agile/Scrum

#### Backend Practices

Authentication integration, role-based access, API validation, rate limiting, caching, logging and monitoring

#### SEO & Analytics

Technical SEO, structured data/schema markup, Google Search Console, Google Merchant Center

### EDUCATION

#### MCA — Dayananda Sagar University

Completed, 2026

#### BCA — RJS FG College

July 2024

### CERTIFICATIONS

- Bronze Award — FLIPR Labs AI National Hackathon (Chat Support category)
- Cisco CCST: Networking & System Troubleshooting
- SQL Server Specialist — Infosys Springboard
- Python Programmer — Infosys Springboard

### RELEVANT DATA ENGINEERING FOCUS

PostgreSQL schema design & migrations

Product-data synchronization (500+ products)

REST API integration & backend workflows

LLM/RAG application experience

Python programming certification

**Skills not evidenced in the supplied resume:** Pandas, Selenium/web scraping, Linux administration, and production Python ETL pipeline experience.