

SAKSHAM SHIL

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EXPERIENCE

Software Engineer

Velocity Software Solutions

April 2025 - Present

Noida, India

UNDP CSR Matchmaking Platform *Django, PostgreSQL, Docker, Celery, Redis*

- Built government platform connecting CSR funding with development projects, implementing 120+ REST APIs with dual-tier approval workflow, role-based access control for 5 user types, and geographic block adoption system with real-time eligibility calculations and auto-assignment of approved projects to corporate users.
- Deployed production application on GCP using Docker Compose architecture (Django/Gunicorn, Celery, RabbitMQ, Redis, Nginx), configured separate database server, optimized query performance through strategic indexing, and built comprehensive audit logging system with CSV export functionality.

Trogo.ai - AI-Powered eCommerce Content Enhancement Platform *Django, PostgreSQL, Celery, Redis*

- Developed AI-powered product enhancement platform integrating GPT-4o-mini via Dify workflows with Celery chord/group parallel processing to handle large-scale batch operations, implementing soft-cancel pattern to prevent Redis blocking and race condition-free progress tracking.
- Implemented bidirectional Shopify GraphQL integration with encrypted OAuth storage, rollback capability, multi-source import system (CSV and Shopify API) with conflict resolution, and correlation-ID request logging across 50+ versioned REST APIs.

SKILLS

Programming Languages

Java, Python, JavaScript

Frameworks

Django, Django REST Framework, Celery

Database Management & Cloud

PostgreSQL, Redis

Tools and Technologies

Git, GitHub, Docker, Linux, Claude Code, Cursor, Dify.ai

Relevant Coursework

Data Structures and Algorithms, Database Management System, Object-Oriented Programming, Operating System, Computer Networks

PROJECTS

Django DRF Boilerplate Template *Django REST Framework, PostgreSQL, Celery, Docker*

- Architected enterprise-grade Django REST Framework boilerplate with PostgreSQL database featuring JWT authentication system with 8 RESTful API endpoints, standardized response wrapper, role-based access control (RBAC), and comprehensive security middleware.
- Designed scalable backend infrastructure with Celery asynchronous task queue, Redis caching, Docker containerization, soft-delete functionality using custom database managers, audit logging system, and automated deployment pipeline, reducing project setup time by 60% for production applications.

EDUCATION

Bhagwan Parshuram Institute of Technology

B.Tech Information Technology GPA: 8.76

Delhi, India

2021-2025

Prabhu Dayal Public School, CBSE

12th Class Percentage: 91.8

10th Class Percentage: 85.6

Delhi, India

2021

2019

EXTRA-CURRICULAR ACHIEVEMENTS

- Founded and led college Chess Club, achieving 1st place at IPU Sports Meet 2024
- Gold Medal in Cricket in IIT-Ropar Sports Fest 2023
- Gold Medal in Cricket in IPU Sports Meet 2022