

Piyush Sontakke

Pune, India | +91 7507284768 | piyushsontakke28@gmail.com | [LinkedIn](#)

PROFESSIONAL SUMMARY

Backend engineer with 2.5 years of production experience building REST APIs, third-party integrations, and async workflows using **Python, Django, PostgreSQL, Redis, and Celery**. Specialized in payment gateway integrations with webhook handling, reconciliation pipelines, and background job orchestration. Proven at owning systems end-to-end in fast-paced startup environments from schema design through production deployment.

CORE SKILLS

Backend & APIs: Python, Django, Django REST Framework, REST APIs, Webhook Architecture

Async & Queues: Celery, Redis, Background Jobs, Cron Scheduling

Database: PostgreSQL, Django ORM (complex joins, query optimization)

Infrastructure: AWS EC2, Docker, Nginx, Linux

AI/LLM Integration: OpenAI API, LangChain, RAG Pipelines

Tools: Git, pytest, Postman

PROFESSIONAL EXPERIENCE

Lead Product Engineer - Hushbox Gifting Solution Pvt. Ltd.

Nov 2025 – Present (Remote)

- Integrated third-party payment gateways (SabPaisa, Pinelabs) with custom AES encryption, webhook-based callback handling, and automated reconciliation workflows.
- Built asynchronous task pipelines using Celery and Redis for order processing, real-time balance updates, and background data sync with external API providers.
- Designed and maintained scalable backend services using Django and PostgreSQL, handling large datasets with optimized ORM queries, joins, and pagination.
- Implemented webhook receivers to fetch data asynchronously from payment and logistics API providers, ensuring reliable event processing with retry and error handling.
- Scheduled cron-based background processes to sync real-time account balances and inventory state across systems.
- Owned the full backend lifecycle: schema design, API development, Docker/Nginx deployment on AWS EC2, and production stability monitoring.

Associate Software Engineer - Techdenovo

May 2024 – Nov 2025

- Developed Python-based fintech integration workflows connecting SabPaisa, PhonePe, and Pinelabs APIs - including reading and implementing against third-party API documentation with 100% reconciliation accuracy.
- Built webhook handlers and callback processing for payment status updates, handling rate limits, retries, and edge cases in external API responses.
- Refactored legacy APIs using Django REST Framework, improving data consistency by 50% and response time by 15%.
- Built backend automation for order, transaction, and operational workflows with async job scheduling.
- Debugged production issues across services, improving uptime and reliability under peak traffic.

KEY PROJECT

Gyfton - Product Gifting Platform

Python, DRF, PostgreSQL, Celery, Redis, Docker, AWS

- Architected backend APIs for products, orders, categories, and user management with clean service separation and REST best practices.
- Implemented secure JWT authentication and role-based access control (RBAC).
- Built webhook-driven integrations for asynchronous data fetching from external catalogue and logistics providers.
- Implemented background task processing using Celery/Redis for order lifecycle management, audit logging, and moderation workflows.
- Wrote automated tests (pytest) covering API endpoints, webhook simulations, and integration edge cases.
- Deployed on AWS EC2 with Docker Compose and Nginx, optimized for high concurrency.

EDUCATION

Bachelor of Technology - Electronics & Communication Engineering

2023

Rajiv Gandhi College of Engineering, Chandrapur

PG Certification — Generative AI & Multi-Agent Systems

CodingNinjas x IIT Mandi-TIH