

JAYDEEP TALAVIYA

PYTHON BACKEND DEVELOPER · 5+ YEARS

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PROFESSIONAL SUMMARY

Python backend developer with 5+ years building scalable REST APIs, microservices, and event-driven systems for enterprise applications. Strong hands-on work with FastAPI, Django, PostgreSQL, Azure SQL, Redis, and Celery, including domain-driven (DDD) service design. Currently building a multi-service ERP platform covering approval rules, notification delivery, and cross-system data synchronization.

TECHNICAL SKILLS

Languages	Python, SQL, JavaScript, HTML, CSS
Frameworks	FastAPI, Django, Django REST Framework, Protean (DDD), Odoo
Backend	Microservices, REST API design, event-driven systems, WebSockets, background jobs, caching, JWT auth, OpenAPI/Swagger documentation
Databases	PostgreSQL, MySQL, Azure SQL, MongoDB, Azure CosmosDB, SQLite, BigQuery
Tools	Celery, Redis, Azure Event Hub, Git, Linux, Docker, Grafana, NumPy, Pandas, BeautifulSoup
Working knowledge	Kafka, AWS, GCP, Vercel, ReactJS / Next.js, Bootstrap, Material UI, Machine Learning, Deep Learning

PROFESSIONAL EXPERIENCE

Python Developer — Upforce Tech Jan 2025 – Present

Sustain — Custom ERP Platform

- Develop backend services for an ERP platform managing the client-to-invoice project lifecycle, risk approvals, and financials for a global consulting firm — a core API plus four supporting services.
- Build FastAPI microservices using Protean (DDD) with aggregates, domain events, and event handlers, backed by Azure SQL and Redis.
- Migrate legacy .NET services to Python/FastAPI with dual-write consistency between old and new schemas, keeping both systems in sync during rollout.
- DIWE** — rules-driven approval matrix engine that computes required gate approvers, delegations, and permissions from a project's region, currency, and risk profile; evaluates ~2.5k requests from Sustain daily.
- Notification Engine** — event-driven, multi-channel notification service (email, in-app) on Azure Event Hub and CosmosDB, delivering ~20k notifications per month.
- Sync Worker** — scheduled Celery service that reconciles ~5k project records nightly from the data warehouse into Sustain.
- Data-Syncer** — Celery sync job running cross-environment migration and consistency checks for duplicates, contracts, and delivery plans; a location-mapping repair cut foreign-key resolution failures from 413 to 0.
- Cover domain logic and event handlers with unit and integration tests; review PRs against project DDD and architecture standards.

Technologies: Python, FastAPI, Protean (DDD), Celery, Redis, Azure SQL, PostgreSQL, Azure CosmosDB, Event Hub, Next.js / React

Symbiosys — Campaign Management Platform

- Built an admin platform for managing advertising campaigns across five ad networks — Google Ads, Meta Ads, Bing Ads, Pinterest, and others.
- Implemented role-based campaign management, dynamic KPI selection, and BigQuery reporting over ~50M rows of campaign performance data.

Technologies: Python, FastAPI, BigQuery, MySQL, GCP

Evopay — Parking Management Platform

- Designed a parking management platform for malls and public parking areas across Kenya, including mobile payments and admin management.
- Implemented parking allocation, voucher management, availability tracking, and reporting.

Technologies: Django, DRF, PostgreSQL, Bootstrap

Python Developer — SecureMetaSys Infotech

May 2022 – Jan 2023

FileTransfer — Secure File Sharing

- Created a secure file-sharing application handling transfers of multiple 1 GB files, with multi-email sharing, automatic deletion, and ZIP downloads.
- Integrated drag-and-drop uploads with Dropzone.js behind a responsive interface.

Technologies: Django, Dropzone.js, HTML, CSS, Bootstrap

Python / Odoo Developer — Techultra Solutions

Feb 2021 – Apr 2022

Utility Renewals — Utility Management System

- Customized an Odoo-based system for managing gas, water, and power resources, contracts, renewals, and usage enquiries.
- Configured role-based resource management using Odoo CRM, Sales, Products, and Website modules.

Technologies/Modules: Python, PostgreSQL, Odoo, CRM, Sales, Products, Website

Maintenance Management — Odoo Workflow Automation

- Enhanced Odoo workflows for maintenance-related product sales, purchases, inventory, and warehouse stock allocation.
- Integrated Sales, Inventory, Maintenance, Purchase, Products, and Orders modules based on business requirements.

Technologies/Modules: Python, PostgreSQL, Odoo, Sales, Inventory, Maintenance, Purchase, Orders

EDUCATION**Bachelor of Engineering, C.E.** — Balaji Engineering College (GTU)

Jul 2021 · CGPA 9.32

Class XII (HSC), GSEB — Shree Manas Vidhya Bhavan

May 2017 · 65%

Class X (SSC), GSEB — Shree R. B. Patel Vidhya Sankul

Jul 2015 · 95.95%

CERTIFICATIONS**Python for Everybody Specialization**

University of Michigan — Coursera

Django for Everybody Specialization

University of Michigan — Coursera

How Google Does Machine Learning

Google Cloud — Coursera