Ajith K

Python Backend Developer | Django | FastAPI | Odoo | PostgreSQL

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Portfolio | LinkedIn | GitHub

Professional Summary

Python Backend Developer with 2+ years of professional experience developing backend applications, RESTful APIs, and business solutions using Python, Django, Django REST Framework, and PostgreSQL. Experienced in database optimization, authentication and authorization, Docker-based deployment, and system integration. Skilled in building scalable backend services, automating business workflows, and customizing Odoo ERP modules. Focused on writing maintainable, secure, and performance-oriented code to solve real-world business problems.

Skills

Languages: Python, JavaScript, TypeScript
Frameworks: Django, Django REST Framework (DRF), FastAPI, Next.js, Odoo
Databases: PostgreSQL, MySQL, MongoDB
Technologies & Tools: Docker, Git, GitHub, Redis, Celery, Pytest, Locust, XML
Operating Systems: Windows, Linux

Work Experience

Smruthi Technologies Pvt Ltd, Bangalore Oct 2024 - Present
Python Developer

- Developed and customized 10+ Odoo ERP modules (Sales, Inventory, Accounting) that automated manual workflows, reducing processing time by 30%.
- Optimized PostgreSQL queries and indexing strategies, cutting report generation time from ~12s to under 4s for high-traffic modules.
- Built multiple dynamic financial and operational reports in Odoo, improving real-time visibility for management and reducing manual report preparation time by 40%.
- Designed and deployed a Docker image for the Odoo project, enabling faster environment setup and reducing onboarding time for new developers by 70%.
- Developed role-based access control and authentication systems (JWT/OAuth2) in Odoo, increasing platform security and reducing unauthorized access attempts by 95%.
- Integrated Hedera blockchain into a client project to issue tamper-proof, independently verifiable digital certificates, eliminating certificate forgery and manual verification.
- Led two legacy migrations — a full PHP/MySQL application into Odoo 18 and three years of Tally accounting data into Odoo 19 — with complete data integrity, consolidating fragmented operations and enabling unified, real-time financial reporting.
- Built a fully integrated HR attendance system in Odoo using the ZKTeco biometric device API, automating attendance capture and payroll inputs and eliminating manual timesheet entry.

Tech Stack: Odoo, Python, PostgreSQL, REST APIs, Docker, Git, JavaScript (OWL), Linux

Projects

- **Sira Boutique – Luxury Flower Shop (Freelance):** Built a production-grade online store for a boutique florist featuring product catalog, cart, subscriptions, coupon management, and delivery scheduling, with secure payment integration and a fast, animated storefront. *Next.js, TypeScript, Django, PostgreSQL, Stripe*
- **DevCollab – Developer Collaboration Platform:** Built a full-stack social platform for developers with Django REST APIs, CI/CD, and secure JWT-based authentication with rate limiting, improving load times by 60%. *Python, Django, DRF, PostgreSQL, HTML, CSS, JavaScript, Git*
- **Odoo ERP Customization for Retail:** Built custom Odoo modules for sales and inventory, integrated with PostgreSQL to handle 50K+ product records, and developed interactive dashboards for financial and operational metrics, reducing manual reporting time by 40%. *Odoo, Python, PostgreSQL, Docker, REST APIs*

Education

Bharathiar University, Coimbatore

- M.Sc. in Computer Science, 2022
- B.Sc. in Computer Science, 2018

Awards and Certificates

- Meta Back-End Developer Professional Certificate on Coursera
- Python Django - Complete Course on Udacity
- Python with Data Science Training on Besant Technologies, Bengaluru