Rahul Joseph

Python Full Stack Developer

Kochi, Kerala +91 9645397306 04rjka@gmail.com

linkedin.com/in/04rjka github.com/04rjka

Summary

BCA graduate and Python Full Stack Developer with proven experience building and deploying production-grade web applications and AI-powered tools. Developed ORVIUS, a live e-commerce platform deployed on AWS with Django, PostgreSQL, and Nginx, and PaperChat AI, a real-time RAG chatbot using FastAPI, LangChain, and ChromaDB. Gained industry experience at SMECLabs contributing to Django backend and REST API development. Looking to bring a strong full stack and cloud skill set to an engineering team building impactful products.

Technical Skills

Languages: Python, JavaScript, TypeScript, HTML, CSS
Frontend: React, Next.js, Tailwind CSS, shadcn/ui, Django Templates
Backend: Django, Django REST Framework, FastAPI, REST API, RESTful API Design
AI and RAG: LangChain, ChromaDB, Server-Sent Events (SSE)
Authentication: JSON Web Tokens (JWT), Django Authentication
Databases: PostgreSQL, SQLite, ChromaDB
Cloud and Deployment: AWS EC2, AWS RDS, AWS S3, Vercel, Render, Gunicorn, Nginx, Certbot
Tools: Git, GitHub, VS Code, Bruno, Uvicorn

Projects

ORVIUS E-Commerce Web Application [GitHub] [Live Demo] 2025

Django, PostgreSQL, Tailwind CSS, AWS EC2, AWS RDS, AWS S3, Gunicorn, Nginx, Certbot

- Built a full stack e-commerce platform with Django MVT architecture, covering product listing, cart, user authentication, and order management.
- Integrated a third-party payment gateway for secure online transactions.
- Deployed on AWS EC2 using Gunicorn and Nginx, configured SSL with Certbot for HTTPS, and used Amazon RDS PostgreSQL and S3 for production data and media storage.
- Designed a responsive UI using Tailwind CSS and managed the full codebase on GitHub using Git.

PaperChat AI [GitHub] 2026

FastAPI, LangChain, ChromaDB, Next.js, TypeScript, Tailwind CSS, shadcn/ui

- Built a full stack AI chatbot enabling context-aware conversations with uploaded PDF documents using Retrieval-Augmented Generation (RAG).
- Implemented real-time token streaming using Server-Sent Events (SSE) via FastAPI StreamingResponse for low-latency responses.
- Designed multi-tenant RAG retrieval with dynamic ChromaDB metadata filtering by user and document, and persistent multi-turn chat history via conversation IDs.
- Built a responsive Next.js frontend with TypeScript, Tailwind CSS, and shadcn/ui, with custom SSE stream handlers for real-time token rendering.

Experience

SMECLabs Kaloor, Kochi, Kerala

Software Development Intern Mar 2026 – Jun 2026

- Developed web application features using Python and Django, contributing to backend logic and API development.
- Built RESTful APIs using Django REST Framework to support frontend data requirements.
- Designed responsive UI components using HTML, CSS, and Tailwind CSS.
- Used Git and GitHub for version control and participated in code reviews to maintain code quality.

Certifications

Certified Python Full Stack Developer — Kaloor, Ernakulam, Kerala
SMECLabs — Sep 2025 – Mar 2026

Education

East Point College of Higher Education — Bengaluru, Karnataka
Bachelor of Computer Applications (BCA) — Sep 2022 – Jul 2025

- Relevant Coursework: Data Structures, Database Management Systems, Operating Systems, Web Technologies, Computer Networks, Object-Oriented Programming

Languages

English: Professional Proficiency **Malayalam**: Native **Hindi**: Conversational