

Ashif E.K

Kerala, India

ashifek11@gmail.com — +91 9037499763

LinkedIn: <https://www.linkedin.com/in/ashifek> — GitHub: <https://github.com/ashif-ek>

portfolio: <https://ashifek.in/> — Docs Stack: <https://ashif-ek.github.io/docs-stack-material/>

Professional Summary

Full-Stack Developer with experience building scalable web applications and enterprise software using Python, Django, Django REST Framework, React, Next.js, PostgreSQL, Docker, and AWS. Experienced in developing secure REST APIs, cloud-native applications, and maintainable software with a strong focus on performance, reliability, and clean engineering practices.

Technical Skills

- **Languages:** Python, JavaScript
- **Backend:** Django, Django REST Framework, REST APIs, JWT Authentication, RBAC
- **Frontend:** React.js, Next.js, Zustand, HTML5, CSS3, Tailwind CSS
- **Databases:** PostgreSQL, Redis, Supabase, Neon
- **Cloud & DevOps:** Docker, AWS (EC2, RDS, S3), Nginx, Gunicorn, GitHub Actions
- **Tools & Workflow:** Git, GitHub, Postman, Slack, Linear, Agile, Feature Branching, Pull Requests, Code Reviews
- **Background Processing:** Celery, Celery Beat, WebSockets
- **Currently Learning:** FastAPI, Clean Architecture, Microservices, Schema-Based Multi-Tenancy

Experience

- **Full Stack Developer — Bridgeon** May 2025 – Present
 - Developed production-grade web applications using Django REST Framework, React, PostgreSQL, and Docker.
 - Built secure REST APIs with JWT authentication, role-based access control (RBAC), request validation, and permission-based authorization.
 - Optimized database queries and backend logic to improve application performance and responsiveness.
 - Developed reusable and maintainable user interfaces using React, Next.js, and Zustand for state management.
 - Integrated Razorpay payment gateway with secure transaction verification, idempotent order processing, and payment failure handling.
 - Improved frontend performance through lazy loading, debouncing, memoization, and reusable React components.
 - Deployed applications on AWS (EC2, RDS, S3) using Docker, Nginx, Gunicorn, and GitHub Actions CI/CD.
 - Live Demo: <https://noirel-perfume.vercel.app/>
- **Project Intern — Regional Technologies** Oct 2024 – Mar 2025
 - Contributed to a group project building a cross-platform digital governance platform using Django, Flutter, and PostgreSQL.
 - Developed backend services and REST APIs supporting citizen services, complaint management, notifications, and public announcements.
 - Implemented RBAC and complaint escalation workflows across four user modules, improving communication between citizens and local government authorities.
 - Collaborated on database design, API integration, testing, and feature delivery throughout the project lifecycle.

Projects

- **Cipher Analytics — Privacy-Preserving Analytics Platform**
 - Developed a privacy-preserving analytics platform using Fully Homomorphic Encryption (CKKS via TenSEAL) to analyze encrypted datasets without exposing sensitive information.
 - Implemented an asynchronous task processing architecture using Celery, Redis, and dedicated task queues to separate compute-intensive workloads from general background tasks.
 - Configured Celery Beat to monitor failed or stalled background tasks, improving system reliability.
 - Developed ML pipelines for anomaly detection and model explainability using SHAP, UMAP, and HDBSCAN.
 - Built interactive analytical dashboards using React, Three.js, React Three Fiber, and ECharts.
 - Implemented real-time task updates using Django Channels, WebSockets, and Daphne, eliminating client polling.
 - Improved application reliability through rate limiting, audit logging, static type checking, and automated security analysis.
 - Containerized and deployed the application stack on AWS using Docker Compose with Django, PostgreSQL, Redis, Celery, Flower, Daphne, and supporting services.

- **WorkPilot AI — Multi-Tenant Workflow Automation Platform (Ongoing Group Project)**
 - Contributing to a multi-tenant SaaS platform built with Next.js, FastAPI microservices, and PostgreSQL to automate HR, IT, and organizational workflows.
 - Implemented schema-based multi-tenancy with tenant-aware middleware, enabling secure data isolation across organizations within a shared PostgreSQL infrastructure.
 - Developed tenant-aware authentication using JWT access/refresh tokens, HTTP-only cookies, RBAC, password reset, and secure session handling.
 - Contributed to modular FastAPI services following Clean Architecture, repository patterns, and RESTful API design principles.
 - Built frontend authentication and tenant-routing flows using Next.js App Router, TypeScript, and Zustand.
 - Containerized services with Docker and used GitHub Actions and Git-based collaborative workflows for development and CI/CD.
- **NOIRÉL — Luxury E-Commerce Platform**
 - Built a full-stack e-commerce platform using React and Django REST Framework supporting the complete order lifecycle from product browsing to payment confirmation.
 - Designed modular REST APIs for catalog management, cart operations, order processing, and payment verification.
 - Implemented JWT-based authentication with protected routes, admin control panel, and role-based access control.
 - Integrated Razorpay payment gateway with secure transaction validation, webhook verification, and failure recovery handling.
 - Optimized frontend performance using lazy loading, memoization, debouncing, and efficient component rendering, achieving a **92/100 Lighthouse performance score**.
 - Improved application reliability through React Error Boundaries and structured client-side error handling.
 - Deployed production environment on AWS infrastructure using Nginx + Gunicorn with automated CI/CD pipelines through GitHub Actions.

Education

- **Bachelor of Computer Applications (BCA)** — SAFA Arts & Science College Aug 2022 – Apr 2025

Certifications

- Python Django & Flutter Certification — Regional Technologies (2025)
- Certified Cyber Security Analyst (CCSA) — Red Team Hacker Academy (2022)