

PATRICK ODEH

Benin, Nigeria

+2349157250018 | patodeh111@gmail.com

PROFILES

- <https://github.com/patrickodeh1>
- <https://soarer.xyz>

PROFESSIONAL SUMMARY

Software Engineer with proven expertise in developing and deploying production-grade full-stack applications and cloud infrastructure. Founded and led development teams for scalable SaaS platforms including rental systems, trading APIs, and automated business solutions. Expert in backend development with Python/Django, cloud infrastructure management, containerization, and API integration. Combines strong problem-solving abilities with hands-on experience managing live production environments, CI/CD pipelines, and system administration on Linux. Demonstrated track record of building and maintaining software serving real users with focus on reliability, security, and performance optimization.

SKILLS

- Python (Django, Flask)
- Node.js & Express
- PostgreSQL, MySQL, Redis
- RESTful API Design
- Docker & Kubernetes
- Linux System Administration
- CI/CD Pipelines
- Git Version Control
- Cloud Infrastructure (AWS, Proxmox)
- Algorithms & Data Structures
- Database Design & Optimization
- Payment Integration (Paystack, Coinbase)
- Google Sheets API & Automation
- Security & Server Hardening
- HTML, CSS, JavaScript
- Problem-Solving & Debugging

EXPERIENCE

06/2025 - 08/2025 **Backend Software Engineer Intern**

Cyncra Technologies Limited - (Remote)

- Built RESTful APIs with Django and PostgreSQL for SaaS platform as part of 8-engineer team following complete SDLC from planning through deployment
- Integrated Paystack payment gateway enabling secure transaction processing for production application
- Optimized API performance through strategic query improvements and Redis caching, reducing response

times significantly

- Conducted comprehensive API testing with Postman to identify and resolve edge cases, enhancing system reliability
 - Collaborated using Git version control and agile methodologies to maintain organized codebase and deliver features on schedule
 - Delivered comprehensive technical documentation covering architecture, requirements, and deployment procedures
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EDUCATION

Current

Bachelor of Science - Data Science (In Progress)

University of Benin, Nigeria

02/2025

Certificate: Software Engineering

ALX Africa - Lagos

- Course work in Algorithms, System Design, Web Development, File I/O, and Data Structures
 - Hands-on projects in backend development, API design, and cloud deployment
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CERTIFICATIONS

Certificate of Completion - Backend Engineering

Cyncra Technologies Limited • 2025

Software Engineering Certificate

ALX Africa • 2025

PROJECTS

Guestel - Rental Platform (Founder & Lead Developer)

Django, PostgreSQL, REST API, Payment Integration, Team Leadership

- Founded and led team of 3 developers to architect and build API-first rental booking platform from ground up
- Designed scalable backend infrastructure supporting multi-property management, booking workflows, and payment processing
- Implemented secure payment integration and automated reservation system with calendar synchronization
- Built comprehensive RESTful APIs enabling seamless frontend integration and third-party service connectivity

The Arena - AI Trading Signal SaaS Platform

Python, FreqAI, Docker, CI/CD, Cloud Infrastructure, Real-time Processing

Live at: <https://thearena.cloud>

- Architected and deployed production SaaS platform processing real-time AI-powered trading signals for active users
- Implemented FreqAI open-source framework with custom Docker containerization for horizontal scalability
- Configured automated CI/CD pipelines enabling zero-downtime deployments and rapid feature releases

- Managed complete cloud infrastructure: server provisioning, monitoring, security hardening, and 24/7 uptime maintenance

Prop Firm API - Trading & Account Management Platform

Django, Alpaca API, Twelve Data, Real-time Synchronization, Automated Payments

- Built proprietary trading firm backend synchronizing real-time market data from Alpaca and Twelve Data APIs
- Implemented automated trading rule enforcement, risk management controls, and commission calculations
- Designed scalable architecture handling concurrent trading accounts with real-time position tracking
- Integrated automated payout processing system for trader earnings distribution

RAULLS - Revenue Acceleration Unit Live Lead System

Django, Google Sheets API, Admin Dashboard, Role-Based Access Control

- Developed internal CRM automating lead import from Google Sheets with intelligent assignment algorithms
- Built centralized admin dashboard with granular role-based permissions for sales team management
- Implemented real-time bidirectional data synchronization with conflict resolution logic

CSASS - Commission-Based Sales Appointment Scheduling System

Django, Email Automation, Drip Campaigns, Intelligent Scheduling

- Engineered automated appointment scheduling platform with smart slot allocation algorithm preventing conflicts
- Integrated commission tracking with automated payout calculations based on configurable rules
- Configured multi-stage email automation and drip campaign sequences for lead nurturing and follow-up

Voter Education Platform (Client Project - Live Production)

Django, PostgreSQL, Linux Server Administration, Production Deployment

- Deployed full-stack civic education platform with optimized Linux server configuration serving active user base
- Managed ongoing production operations including security patches, automated backups, and performance monitoring
- Implemented user authentication, content management system, and third-party API integrations

TradeSphere - E-Commerce Marketplace

Django, PostgreSQL, Payment Gateway, Search & Filtering

- Built community marketplace platform connecting buyers and sellers with secure payment processing
- Implemented advanced product search, filtering, and recommendation algorithms

PatLabs CBT - Computer-Based Testing Platform

Django, PostgreSQL, Exam Engine, Admin Portal

- Developed digital examination system for educational institutions with question bank management
- Built student registration portal, exam delivery engine, and automated grading system

Additional projects and portfolio: <https://soarer.xyz/portfolio>

ADDITIONAL INFORMATION

- Daily Debian 12 Linux user with extensive terminal and command-line proficiency for system administration
- Proven team leadership experience founding and guiding development teams through full project lifecycles

- Track record of deploying and maintaining production systems serving real users with focus on reliability
- Strong problem-solving abilities combining algorithmic thinking with practical system design
- Experience with international remote collaboration and working with diverse global teams
- Rapid learning agility demonstrated through successful adoption of new technologies and tools
- Available for part-time and project-based software engineering engagements with flexible scheduling