NAOMI ORITSEMEYIWA COLE

Backend Software Engineer · Python · Django · APIs · Cloud
runocole@gmail.com · +234 802 462 6423 · runocole.netlify.app · linkedin.com/in/runocole · github.com/runocole
Remote · Lagos, Nigeria (UTC+1) · Full overlap with UK/EU hours, partial with US East Coast · Available for full-time remote work

PROFILE

Backend engineer with 3 years of hands-on experience (1+ year full-time, plus freelance and internship work) building and running production systems used daily by real customers. I own the full lifecycle: API and database design, payments, authentication, real-time video, background jobs, testing and deployment on Linux and Windows servers.

- Built and run a GNSS/CORS data and payments platform serving **1,900+ users (1,875 active)** across Nigeria.
- Designed a **300+ route JWT REST API** for a mobile surveying app, backed by **147 automated tests**.
- Cut API response times by **35%** through query optimisation; integrated LLM features (Claude API) into live products.

Looking for a full-time remote backend, platform or applied AI engineering role. Experienced working remotely and asynchronously across teams.

TECHNICAL SKILLS

- **Languages:** Python, TypeScript, JavaScript
- **Backend and APIs:** Django, Django REST Framework, Flask, SQLAlchemy, REST API design, JWT, OAuth2, WebAuthn
- **Databases:** PostgreSQL, MySQL, SQLite, schema design, query optimisation
- **Cloud and DevOps:** AWS (EC2, S3, Lambda, Lightsail), Docker, CI/CD, Git, Linux (Ubuntu), Nginx, Gunicorn, systemd, Windows Server/IIS
- **Async and real-time:** Celery, Redis, WebSockets, WebRTC (LiveKit), FFmpeg
- **AI and integrations:** Claude API (LLM screening and document reading), MediaPipe, payment gateways (Paystack, Google Play Billing, mobile money)
- **Testing and practice:** automated testing, code review, role-based access control, secure file storage, data backups
- **Also:** React, Electron

WORK EXPERIENCE

Software Engineer · OTIC Geosystems, Nigeria · Oct 2025 – Present

- Build and run three production platforms end to end: a GNSS/CORS data and RTK service, an HR and attendance platform, and a proctored recruitment platform.
- Designed REST APIs, MySQL schemas, payments and role-based permissions, including a 300+ route JWT API for the company's mobile surveying app.
- Run self-hosted infrastructure on Ubuntu and Windows servers (Nginx, Gunicorn, IIS, LiveKit with a TURN relay, routing services) with nightly database backups.

Lead Backend Developer · NexusMind (remote, alongside OTIC) · Jul 2025 – Apr 2026

- Led backend development for an early-stage e-commerce platform, owning API architecture, database design and deployment pipelines.
- Built JWT and OAuth2 authentication and integrated payment and location services.
- Cut API response times by 35% through query optimisation; automated deployments with Docker and CI/CD.

Freelance Backend Engineer · Remote · 2023 – Present

- Delivered 5+ client projects from requirements to deployment and post-launch support, using Django, Node.js, React and PostgreSQL.

Full-Stack Development Intern · AFCC, Lagos · Jan 2024 – Jul 2024

- Built features with Django REST Framework, React and PostgreSQL in the core team; took part in code reviews, debugging and deployments.

SELECTED PROJECTS

CORS Data Portal and OTIC ONEGEO Platform · Flask, SQLAlchemy, MySQL, AWS Lightsail, Windows Server, Linux · corsdata.oticgs.com

Production platform behind a GNSS/CORS network, serving satellite positioning data and live RTK corrections to 1,900+ users, mostly licensed surveyors, through a web portal, a mobile app API and an admin site.

- Built a wallet and subscription system (card, mobile money, Google Play Billing) with atomic deductions and automatic refunds on failed activations.
- Automated account provisioning with real-time sync to a backup server across two providers, so users stay connected if one goes down.

- Built a 300+ route JWT API for the mobile app: offline-first sync, voice-note transcription, live team location and self-hosted routing.
- Run 8 scheduled background jobs (expiry, usage and outage alerts, a self-healing plan guard), covered by 147 automated tests.

PRISM: Recruitment and Proctored Assessment Platform · Django REST Framework, React, TypeScript, LiveKit, MediaPipe, Claude API, Celery, Redis · screening.oticgs.com

Hiring platform used by HR to run real recruitment drives, from job post to interview invitation.

- Added AI CV screening (Claude API) that checks each candidate against every job requirement, ranks applicants and explains each decision.
- Built live remote proctoring on self-hosted WebRTC with in-browser face and gaze tracking and timestamped violation logs.
- Recorded sessions in 30-second chunks joined with FFmpeg, served through signed, time-limited links; AI and email work run as Celery background tasks.

OTIC Workforce: HR and Attendance Platform · Django REST Framework, React, TypeScript, MySQL, LiveKit, Electron · GitHub

Platform that runs the company's working day (attendance, worklogs, tasks, meetings, leave and appraisals) for office and field staff.

- Built geofenced attendance with WebAuthn biometric verification and device binding.
- Added self-hosted video meetings with signed join tokens, webhooks and screen sharing.
- Built HR workflows: role-based tasks, leave approvals with signed letters, appraisals and attendance analytics.

EDUCATION

B.Sc. Computer Science, Second Class Upper (2:1) · Babcock University, Nigeria · 2021 – 2025

CERTIFICATIONS

Multi-Course IT Training Programme (9 courses) · New Horizons Computer Learning Centers: Python, Django, REST API development, PostgreSQL, Java, Kotlin (Android), Cloud Fundamentals, Cybersecurity Essentials, PHP.

ADDITIONAL INFORMATION

- **Work authorisation:** requires a Critical Skills Employment Permit; my degree and role qualify (software engineering is on Ireland's Critical Skills Occupations List).
- **Availability:** can relocate once the permit is approved.
- **Languages:** English (fluent, language of my degree).
- **References:** available on request.