

COLE NAOMI ORITSEMEYIWA

Backend & AI/ML Engineer | Full-Stack Developer

runocole@gmail.com | 08024626423 | runocole.netlify.app | LinkedIn: [linkedin.com/in/runocole](https://www.linkedin.com/in/runocole) | GitHub: <https://github.com/runocole>

PROFILE SUMMARY

Software Engineer (Backend • AI/ML • Full-Stack) with hands-on experience in building **scalable web applications, intelligent data solutions, and user-facing features**. Skilled in **Python, Django, Node.js, and PostgreSQL**, complemented by frontend development using **React**.

Proficient in **ML workflows, data preprocessing, and model deployment (Pandas, NumPy, Scikit-learn)**. Experienced in **scalable microservices architectures, API integration, query optimization, asynchronous task processing with Celery and Redis, containerization and deployment using Docker, CI/CD pipelines, and cloud platforms (AWS)**

TECHNICAL SKILLS

- **Programming:** Python, JavaScript (Node.js, React), TypeScript | Working knowledge of C/C++, SQL
- **Backend & APIs:** Django, Django REST Framework, Express.js, REST & GraphQL APIs, Microservices architecture
- **Databases:** PostgreSQL, MySQL, MongoDB, Database Schema Design, Query Optimization
- **AI & ML:** Pandas, NumPy, Scikit-learn, TensorFlow, PyTorch, Data Preprocessing, Model Training & Deployment
- **Cloud & DevOps:** AWS (EC2, S3, Lambda), Docker, Git, CI/CD Pipelines, Azure, GCP
- **Frontend:** React, HTML, CSS
- **Asynchronous Processing:** Celery, Redis

WORK EXPERIENCE

Lead Backend Developer | NexusMind | Remote | July 2025 - Ongoing

Led back-end development for an early-stage **e-commerce platform**, overseeing API architecture, database design, and deployment pipelines.

- Designed and implemented **RESTful APIs** and **scalable database schemas**.
- Integrated **third-party payment gateways and location services**.
- Built secure **authentication/authorization systems** (JWT, OAuth2).
- Optimized queries, cutting response times by 35%
- Automated deployments with **Docker and CI/CD pipelines**.

Freelance Full-Stack Engineer | Remote | 2023 – Present

Delivered 5+ contract-based software solutions for multiple clients, managing the full project lifecycle from requirements gathering to deployment.

- Built production **web applications** using **Django, Node.js, React, and PostgreSQL**.
- Designed and integrated **REST APIs and microservices** with authentication, payments, and third-party services
- Developed responsive **frontend UIs** in React with strong UX focus.
- Implemented **data pipelines and ML models** for analytics and forecasting.
- Deployed applications with Docker and maintained client support post-launch

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

Worked as part of the development team building **web applications** with the **Django, React, Redis, and PostgreSQL**, contributing to both backend APIs and frontend features.

- Developed features using **Django REST Framework, React, and PostgreSQL**.
- Integrated **third-party payment gateways and location services**.
- Helped design **database schemas** and implement **API integrations**.
- Built responsive **React components** with state management.

- Participated in **code reviews, debugging, and deployment processes**.
- Collaborated with senior developers, improving technical and teamwork skills.

PROJECTS

AI-Powered Business Intelligence Platform (AI-BI) | Python, FastAPI, PostgreSQL, Scikit-learn, XGBoost

End-to-end data intelligence solution enabling smarter, data-driven decisions

- Built an AI chatbot for natural language analytics queries
- Designed **KPI dashboards** with FastAPI, tracking revenue, churn, and customer metrics.
- Built **automated data pipelines** for ingesting and cleaning business data.
- Implemented **predictive analytics** using Scikit-learn, Prophet, and XGBoost for forecasting sales and churn.

GitHub: Private Repo (Available on Request)

Smart Queue Management System | Django, React, PostgreSQL, WebSockets

Queue automation system for student check-ins and seat allocation.

- Built **real-time queue tracking** with WebSockets.
- Implemented **QR code verification** for secure check-ins.
- Developed an **admin dashboard** for monitoring and managing queues.

Links:

Live Demo: <https://easypass-frontend.vercel.app/> | **GitHub:**

<https://github.com/runocole/EasyPass-Backend>

Location-Based E-Commerce Platform | Django, PostgreSQL, React, Geolocation APIs

Geo-enabled shopping platform connecting users with nearby vendors.

- Integrated **geolocation APIs and payment services** for seamless transactions.
- Designed and deployed a **scalable backend architecture**.
- Optimized **PostgreSQL queries**, improving data retrieval performance.

GitHub: Private Repo (Available on Request)

Sports Scouting & Reporting System | Django REST Framework, React

End-to-end scouting platform for managing player reports and team insights.

- Built **dynamic report generation** with advanced filtering and search.
- Implemented **PDF export** for offline access and sharing.
- Developed **real-time status tracking** to monitor scouting progress.

GitHub: <https://github.com/runocole/bytecraft>

EDUCATION

B.Sc. Computer Science | Babcock University | 2021 – 2025

CERTIFICATIONS AND TRAINING

Certificate of Completion – Multi-Course IT Training Program (9 Courses)

New Horizons Computer Learning Centers

- Covered backend, full-stack, mobile, and cybersecurity domains.
- Key courses: **Python, Django, PHP, REST API Development, PostgreSQL, Java, Kotlin (Android Development), Cloud Fundamentals, Cybersecurity Essentials.**