

OLIVER SAMWEL

Software Developer

SUMMARY

Self-driven full-stack developer with 3+ years of experience crafting scalable APIs and integrating systems to drive business efficiency. Currently diving into data engineering through a hands-on bootcamp, exploring tools like Airflow, Apache Spark, and pipeline orchestration. Passionate about building elegant, scalable tech that solves real-world problems — from backend logic to UI flow, from ETL pipelines to system integrations. Known for thriving in fast-paced startups, sharing knowledge openly, and creating systems that scale with simplicity and purpose. Seeking opportunities to merge software development with modern data engineering in impactful ways.

CAREER OBJECTIVE

Aspiring Data Engineer and experienced Software Developer focused on bridging the worlds of data and software to build scalable, real-world solutions. Currently enrolled in a data engineering bootcamp and eager to contribute to teams working on data-driven applications, pipelines, and scalable backend systems.

PROFESSIONAL EXPERIENCE

University Portal System – Backend Developer

Spring Boot + React + PostgreSQL | Jan 2025 – Present

- Designed secure, scalable backend for a modern student management platform
- Built modular service architecture using Spring Boot and PostgreSQL with transactional integrity
- Handled schema migrations, query tuning, and database normalization
- Designed backend workflows with real-time responsiveness, integrating external payment APIs and webhook-based donation confirmations

Capstone Project – CharityConnect

Django + React + PostgreSQL | 2024

- Developed API-driven backend with JWT authentication and user role management
- Gained hands-on exposure to system integrations, assisting in connecting internal tools with client CRMs and accounting systems.

Software Developer Intern – Directcore Technologies

Nairobi | Mar 2025 – Jun 2025

- Contributed to backend modules and refactored internal tools for performance gains
- Assisted with debugging distributed systems and CI-driven testing pipelines

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SKILLS

Languages &

Frameworks: Node.js, TypeScript, JavaScript (ES6+), Java (Spring Boot), Python (Django)

Database Mastery:

PostgreSQL (queries, optimization, modeling), SQL, Sequelize, TypeORM
System Design: API development, JWT auth, validation, queue-based processing

Cloud & DevOps:

Docker, CI/CD (GitHub Actions), AWS (basic), serverless principles
Architecture: OOP, microservices, event-driven systems, REST APIs

Collaboration: Git, Agile/Scrum, remote asynchronous workflows, clear documentation

Data Engineering & Pipeline Tools:

Apache Airflow (learning), Apache Spark (beginner), pipeline orchestration basics, ETL workflows, Pandas, data

EDUCATION

BSc in Software Development

KCA University – Nairobi, Kenya | Sept 2021 – Present

- GPA: 3.03 | Expected Graduation: [November, 2025]
- Focus: Systems design, backend development, and digital content delivery

Courses

LuxDev Community Data Engineering Bootcamp - July 2025 - Present

- Focused on Airflow, Spark, data pipelines, orchestration, and production-level ETL workflows
- Gaining practical experience in data integration, scheduling, and transformation tools

wrangling with
CSV/JSON

LANGUAGES

- **English:** Highly proficient in speaking and writing
- **Kiswahili:** Highly proficient in speaking and writing

