

VERONICAH WAMBUI

Software Engineer II · Full-Stack (Python / Django / React)

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[LinkedIn](#) · [GitHub](#) · [Portfolio](#)

PROFESSIONAL SUMMARY

Full-stack software engineer with over four years of experience designing, building and shipping production web applications across fintech, property management and public-sector reporting. Specialises in Django and Django REST Framework services paired with React front ends, with hands-on depth in real-time systems over WebSockets, asynchronous processing with Celery and Redis, third-party payment and market-data integrations, and financial-grade security controls such as JWT authentication, OTP verification and role-based access control. Comfortable owning a feature end to end — from database schema and API design through to interface, testing and release — and used to reviewing peers' code and mentoring less experienced developers.

TECHNICAL SKILLS

Languages: Python, JavaScript (ES6+), Java, SQL, HTML5, CSS3

Backend: Django, Django REST Framework, Node.js, Express.js, REST API design, WebSockets, JWT, OAuth

Frontend: React.js, Redux, TailwindCSS, Bootstrap

Databases: PostgreSQL, MySQL, MongoDB, Django ORM, schema design, query optimisation

Async & Caching: Celery, Redis

Integrations: Payment gateways, forex and market-data APIs, Zoho (email / CRM), Twilio (SMS, OTP)

Testing & Automation: Pytest, Unittest, Selenium, Postman, Insomnia

DevOps & Tools: Git, GitHub, Bitbucket, Docker, Nginx, AWS (basics), Heroku, Render

Practices: Agile / Scrum, code review, cross-functional collaboration

PROFESSIONAL EXPERIENCE

Omay Technologies — Backend & Frontend Developer

July 2024 – Present · Mogadishu, Somalia (Remote)

- Architect and maintain the backend of Omay Exchange, a cryptocurrency and forex trading platform, building Django and DRF services for authentication, wallets, transaction processing and admin operations.
- Design and ship secure REST APIs covering user onboarding, wallet management, order and transaction flows, and administrative dashboards.
- Deliver live market prices, transaction statuses and user notifications over WebSockets, giving traders a continuously updating view without page refreshes.
- Build responsive trading dashboards and account interfaces in React.js, JavaScript and TailwindCSS, consistent across desktop and mobile.
- Integrate third-party financial APIs for live exchange and forex rates, Zoho Mail for transactional email (welcome, password reset, OTP delivery) and Twilio for SMS alerts.
- Model and tune PostgreSQL schemas and queries, protecting the integrity of financial records under concurrent load.
- Offload long-running and scheduled work to Celery and Redis to keep API response times low.
- Implement JWT authentication, OTP-based verification and role-based access control underpinning KYC and compliance workflows.
- Work in agile sprints, review teammates' code and hold the team to shared quality and performance standards across the stack.

Nouveta Limited — Software Developer (Full Stack)

May 2022 – May 2024 · Nairobi, Kenya

- Built and maintained full-stack features with Django and DRF on the backend and React.js and JavaScript on the front end.
- Integrated REST APIs into front-end applications, handling data serialisation, client state and server-side logic.
- Developed responsive interfaces using HTML, CSS, Bootstrap and reusable React component workflows.

- Optimised backend logic and database queries, improving overall application speed and responsiveness.
- Led bug-fixing efforts and wrote clean, maintainable code aligned to business objectives and user requirements.
- Participated in Agile Scrum ceremonies, code reviews and cross-functional delivery with design and QA.

AkiraChix — Training Assistant, Software Development

January 2022 – December 2022 · Nairobi, Kenya

- Mentored trainee developers through debugging and error resolution, building their capacity to diagnose problems independently.
- Evaluated code assignments for correctness, efficiency and adherence to coding standards, returning actionable written feedback.

Ciphercom Limited — Full-Stack Developer Intern

November 2021 – March 2022 · Nairobi, Kenya

- Developed dynamic web pages with JSP, JavaBeans and XML on the Struts2 framework, applying MVC for clearer separation of concerns.
- Managed application data in MySQL (HeidiSQL) and carried out testing and debugging to keep web functionality stable.

SELECTED PROJECTS

Executive Oversight & Results Assessment Platform — Full-Stack Developer

April 2023 – March 2024

- Delivered a web application with interactive dashboards for monitoring project delivery and fund utilisation.
- Structured a scalable React codebase around Redux for centralised, predictable state management.
- Built the Django and DRF services and APIs powering the dashboards.
- Managed GitHub repositories for version control and conducted code reviews across the team.

Tech: React.js, Redux, Django, DRF, PostgreSQL, Git

Malipro — Property Management System

August 2022 – April 2023

- Built a comprehensive property management application covering property records, reservations and billing.
- Designed the DRF API layer handling property data, reservation logic and billing calculations.
- Implemented API integrations for real-time retrieval and update of property-related data.

Tech: React.js, Django, DRF, PostgreSQL, REST APIs

RevenueSure — Revenue Collection Platform

June 2022 – December 2022

- Developed a revenue collection platform that generates invoices for services and processes payments.
- Implemented automated invoicing and coordinated API integrations for dynamic data retrieval.
- Collaborated across design, backend and QA teams to deliver the release.

Tech: Django, DRF, React.js, MySQL, API integration

Bamisa SACCO Management System — Full-Stack Developer

November 2021 – March 2022

- Built a SACCO management system on an MVC architecture using the Struts2 framework.
- Created dynamic web pages with Java Server Pages (JSP) and implemented transaction upload and database backup routines.

Tech: Java (Struts2), JSP, MySQL, MVC

EDUCATION

AkiraChix — Diploma in Information Technology

Graduated November 2021 · Nairobi, Kenya