

JOHN OMOLO

Nairobi, Kenya (Open to Remote – EMEA Time Zone)

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Profile

Full-stack developer focused on building reliable, usable web applications with modern JavaScript, TypeScript, React, Node.js, and Python. Experienced in both frontend and backend development, with a pragmatic approach to performance, developer experience, and shipping features fast. Background in finance adds a strong product sense for fintech, data integrity, and business logic accuracy.

Core Skills

- **Languages:** JavaScript, TypeScript, Python, SQL
 - **Frontend:** React, Tailwind CSS, HTML5, CSS3, Responsive Design, Accessibility (a11y)
 - **Backend:** Node.js, Express, Flask
 - **Databases:** PostgreSQL, SQLite, MySQL
 - **Tools & DevOps:** Git/GitHub, REST APIs, JSON, Postman, Render, Vercel
 - **Other Strengths:** Strong problem-solving, analytical mindset, cross-functional communication, documentation, client collaboration
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Experience

Software Developer & ICT Support Intern — JTG Enterprises

Jan 2024 – Jun 2024 | Nairobi, Kenya

- Assisted clients and staff in onboarding and training for new business software systems.

- Developed internal tools and automation scripts to streamline reporting and data handling.
- Conducted product demos, prepared user guides, and simplified technical features into business value.
- Supported internal development and deployment workflows using Python/Flask and React stacks.
- Collaborated with teams to troubleshoot, test, and deploy application updates effectively.

Software Projects & Freelance — Full-Stack Developer

2023 – Present | Remote

- Delivered multiple small web apps end-to-end: planning, UI, backend, database design, and deployment.
 - Built REST endpoints, handled form data, authentication, and third-party API integrations.
 - Applied component-driven development with React and Tailwind for clean, accessible interfaces.
 - Used version control and pull requests on GitHub; practiced iterative release cycles.
 - Financial background leveraged for robust data validation and audit-ready logic in apps.
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Projects

Pomodoro Timer — *Python, Tkinter, Render*

Focused productivity timer with session tracking and polished UX. Handled environment/runtime configuration for deployment on Render.

Password Manager — *Python, CLI*

Secure command-line password manager using encrypted file storage and password generation.

Designed for ergonomic use and code maintainability.

Blog Website — *Python, HTML/CSS, PostgreSQL*

Responsive blog app with listing and detail views, emphasizing

readability and structured layout.

Deployed live; optimized database queries and CSS performance.

Business Management System (BMS) — *Flask, React, PostgreSQL*

Built an employee and finance tracking system covering departments, payroll, tasks, and expenses.

Implemented authentication, dashboards, and CRUD APIs with role-based permissions.

Procurement/Tender Analysis Tool — *Python, AI/ML, Data Categorization*

Developed an AI agent to analyze public tenders for budget compliance and category matching.

Integrated tender data parsing, filtering, and automated email reporting.

Education

Moringa School — Software Engineering Bootcamp, *Feb 2024 – Aug 2024*

KCA University — Accounting (KASNEB Certified)

KCSE — 2014

Additional Information

- Strong understanding of software lifecycle from design to deployment
- Quick learner, adaptable to new frameworks and cloud environments
- Remote-ready within EMEA time zones