

Joel Aropet *Full-Stack Developer*

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📄 Profile

Full-stack developer with expertise in building dynamic, scalable applications using **Next.js**, **Node.js**, **Django**, and **FastAPI**. I create modern web applications and enhance user experience by making websites more dynamic with **Framer Motion**. My backend skills include developing robust APIs, managing databases like **MongoDB** and **PostgreSQL**, and implementing secure authentication systems using **JWT** and **OAuth**. Additionally, I have experience integrating third-party APIs (such as payment systems) and ensuring high-quality code with tools like **Postman** and **cURL**. By adhering to **SOLID principles**, I contribute to maintainable, modular codebases and collaborate effectively with front-end teams. I am seeking a software development role where I can leverage my skills to deliver impactful tech solutions.

📁 Professional Experience

Freelance Full-Stack Developer, *Self Employed*

Specializing in building dynamic, scalable web applications using Next.js, Node.js, Django, and FastAPI. I deliver modern solutions to my clients with a focus on enhancing user experience and integrating third-party services, including payment systems. Skilled in developing secure APIs, managing databases, and ensuring code quality through testing and best practices.

Feb 2023 – present
Kampala, Uganda

Project Manager, *AD Concepts Ltd*

Led the fabrication and installation of TotalEnergies Uganda booths for a major industry event in Kampala, managing project timelines, resources, and a team of 10 to deliver ahead of schedule and within a \$17,000 budget, resulting in a 20% reduction in costs and high client satisfaction.

2021 – 2023
Kampala, Uganda

🎓 Education

Fullstack Software Engineering | Backend, *ALX Africa* 📄

Completed a 12-month full-stack web development program specializing in backend engineering. Gained proficiency in C, Python, and frameworks like Django, React.js, and Node.js. Developed and deployed web applications, including a high-performance rental management app using FastAPI and MongoDB. Acquired hands-on experience in database management (MySQL, PostgreSQL, MongoDB) and version control with Git.

Feb 2023 – Apr 2024
Nairobi, Kenya

Bachelor of Science in Mechanical Engineering, *Makerere University* 📄

Graduated with honors in Mechanical Engineering, with expertise in mechanical design and process optimization. Applied engineering principles in a capstone project to design a sustainable energy solution, reducing costs by 25%. This strong technical foundation complements my software engineering skills, particularly in developing solutions that integrate engineering concepts with software applications.

Aug 2016 – May 2021
Kampala, Uganda

</> IT Technical Skills

HTML • CSS • Javascript • TailwindCSS • NodeJs and Express • NextJs • Fast API • Linux • MySQL • MongoDB • C/C++ • Wordpress

🧠 Other Skills

- **Effective Communication:** Led strategic branding initiatives and cross-functional teams, successfully engaging diverse stakeholders from engineers to executives, which resulted in improved project alignment and a 15% increase in stakeholder satisfaction scores.
- **Continuous Learning and Adaptability:** Demonstrated a strong ability to adapt by transitioning from a marketing role to project management, and subsequently to software engineering. Continuously updated skills through certifications and hands-on projects, such as leading the development of a containerization tool using Python.
- **Problem Solving Under Pressure:** Excelled in high-pressure situations, notably during the PSIU/ProFam rebranding project, where strategic planning and decisive action led to project completion seven days ahead of schedule, reducing projected costs by 10%.

📁 Projects

Woodchopper.eu, Wordpress [🔗](#)

May 2024 – Jun 2024

An e-commerce platform for a stainless steel wood-splitting tool designed for safety and efficiency. The site highlights product features, including ergonomic design and safety mechanisms, while offering easy navigation and a seamless shopping experience. Integrated third-party services for payment and shipping to optimize user convenience.

Samaki Aquacare, Nextjs, Framer-motion [🔗](#)

Apr 2024 – Apr 2024

Samaki Aquacare is a project designed to support aquaculture farming by offering solutions for fish farmers. The platform provides detailed insights into fish farming practices, including guidance on water quality management, nutrition, and farming techniques. It aims to enhance efficiency and sustainability for aquaculture operations.

Nyumbani Home Rental App, FastAPI, MongoDB, Nextjs [🔗](#)

Mar 2024 – present

Nyumbani is a web-based property management application designed to streamline the rental process for landlords and tenants in Uganda. Leveraging modern technologies such as React.js and FastAPI, Nyumbani will facilitate property listing, tenant management, and communication between landlords and tenants to make the process of renting a home hassle-free.

🔗 References

Nalugwa Gloria, Senior Business Analyst, OpenCapital

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