

James Nderitu Karuri

Software Engineer and CTO | Nairobi, Kenya

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PROFILE

Software engineer with about seven years of experience across web, mobile and systems administration. I started as a junior developer and have grown into building complete systems on my own, including a multibranch ERP and, more recently, a Flutter-based emergency roadside assistance app. My work leans toward software that businesses depend on every day: ERP systems, payment integrations and mobile apps. Hands-on with Django, Laravel, CodeIgniter, React.js, Node.js and Flutter. I have also taught web development, trained new hires and mentored developers coming up in the field.

EXPERIENCE

Software Engineer and CTO, Nusrria Technologies 2026 to present

- Building an emergency roadside assistance app that connects stranded drivers with nearby help, including the mobile apps, Node.js backend, admin panel and project website.
- Working across the stack with Flutter on mobile and Node.js on the backend.

System Administrator, Topas Agrovet 2024 to 2026

- Developed a Laravel multibranch ERP that replaced Excel spreadsheets across two branches, covering sales, user management, reporting, stock tracking and farmer balances.
- Added per-branch statistics dashboards so management gets reports without compiling spreadsheets. The system tracks each farmer's balance so it can be deducted from their milk payments, and is still in use today.
- Handled day-to-day IT administration alongside development.

System Administrator, Olanka Safaris 2022 to 2023

- Managed IT systems and infrastructure supporting day-to-day operations.
- Handled troubleshooting and support requests across the business.

Web Developer, Global Desarts Media 2020 to 2021

- Integrated M-Pesa Daraja STK Push, credit card and PayPal payments into more than ten client systems, several live with real customers and still running.
- Built new systems from scratch and modified existing ones for multiple clients, using PHP and CodeIgniter.
- Trained and mentored new developers joining the team.

Computer Lab Technician, Nyandarua Institute of Science and Technology 2018 to 2020

- Taught web development and object-oriented programming, and mentored students pursuing development careers.
- Maintained the computer lab and repaired lab computers.

SELECTED PROJECTS

- **Roadside Assistance App** (2026 to present): Flutter and Node.js. Mobile apps, backend, admin panel and website. Currently in development.
- **Topas Agrovet ERP** (2024 to 2026): PHP, Laravel, MySQL. Multibranch ERP replacing spreadsheets.
- **Payment Integration Suite** (2020 to 2021): PHP, CodeIgniter, M-Pesa Daraja API, PayPal API. Live across more than ten client systems.
- **Peafowl Tours Website** (client project): designed, built, handed over and optimised for search engines. peafowltours.com

SKILLS

Languages and data	PHP, JavaScript, Python, SQL, PostgreSQL, MySQL, HTML, CSS
Frameworks	Laravel, CodeIgniter, Django, React.js, Next.js, Node.js, Flutter, Tailwind CSS, Bootstrap
Integrations	M-Pesa API, PayPal API, credit card gateways, REST APIs, GraphQL, SMS APIs
How I work	Client handling, team collaboration, time management, mentorship and training

EDUCATION

BSc Computer Science, Dedan Kimathi University of Technology 2014 to 2018

REFEREES

Jackson Mwaniki CEO, Nusrria Technologies 0723 704 634	Alvin Chasia CTO, Global Desarts Media 0720 744 763 P.O. Box 68046-00200, Nairobi	Sarah Mbae Chief Lab Technician, Nyandarua Institute of Science and Technology 0725 672 776
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