

KATO EMMANUEL

Software Developer | Web & Mobile Applications | Full-Stack Development

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SUMMARY

Innovative Software Developer experienced in building scalable, production-ready web and mobile applications using Laravel, Vue.js/Nuxt.js, Inertia.js, and Flutter. Skilled at designing robust backend architectures, crafting responsive frontends, and integrating APIs for real-time data synchronization. Proven track record delivering enterprise HR systems and cross-platform mobile apps that improve efficiency and data accuracy.

EXPERIENCE

Systems Upgrade Specialist (Freelance)

Jan 2026 - present | Native Frontiers - Kampala, Remote

- Upgrading POS systems for Native Frontiers to modern technologies and architectures
- Modernize and maintain POS systems by updating legacy database structures and optimizing data workflows.
- Design and implement offline-first desktop and mobile applications to ensure reliability in low-connectivity environments.
- Upgrade existing system architectures to current best practices, improving performance, scalability, and maintainability.
- Collaborate with stakeholders to ensure seamless transition from legacy to modern systems without disrupting operations.

PROJECTS

Kijani Forestry App

Delivered a cross-platform Flutter app integrated with Airtable APIs for offline-first field data collection. Used by over 450 field staff.

Airtable CRUD Library

Created an open-source Dart library simplifying Airtable API integration for developers. Published for the Flutter community.

ACHIEVEMENTS

⚡ Optimization

Reduced manual reporting time by 75% and improved web page speed by 35% through code optimization and efficient architecture design.

🏆 Student Mentorship

Guided 3 student teams to national finals in app development competitions, fostering the next generation of tech talent.

SKILLS

- Introduce modern technologies and frameworks, ensuring systems remain robust, secure, and future-ready.

Software Developer

Jan 2024 – December 2025 | Kijani Forestry, Gulu City

- Designed, developed, and deployed the Kijani Forestry Mobile App (Flutter + Airtable API) used by 450+ field users.
- Reduced manual reporting and data collection time by 75% through automated synchronization.
- Built a custom Airtable API wrapper in Flutter (Airtable CRUD Package) that simplified data operations and was later open-sourced.
- Collaborated with cross-functional teams in Agile sprints for weekly feature releases.

IT Assistant

Sep 2023 – Jan 2024 | Kijani Forestry, Gulu City

- Provided technical support, reducing IT-related downtime by 30%.
- Trained 20+ staff on digital tools to improve data accuracy.

Junior Developer (Intern)

Nov 2021 – Aug 2023 | Oysters & Pearls Uganda

- Developed responsive web interfaces using PHP and Tailwind CSS, improving page speed by 35%.
- Participated in database schema design and backend implementation.

Technovation Mentor

Languages

JavaScript (ES6+), TypeScript, PHP, Dart, HTML5, CSS3

Frameworks

Laravel, Vue.js, Nuxt.js, Inertia.js, Flutter, Node.js

Databases

PostgreSQL, MySQL, Supabase, Firebase, Airtable

DevOps & Tools

Linux (Ubuntu), Nginx, Git/GitHub, CI/CD Pipelines, Postman

Frontend

Tailwind CSS, Responsive Design, Figma

REFERENCES

Elias Muhoozi

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Obote Dennis

Tech Coordinator, Oysters & Pearls
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Feb 2023 – Apr 2023 | Oysters & Pearls Uganda

- Mentored 100+ students in building mobile apps using MIT App Inventor.
- Guided three teams to national-level finals emphasizing user-centered design.

COURSES

Responsive Web Design Certificate

2023 | FreeCodeCamp.org

Comprehensive course covering modern web development practices, HTML5, CSS3, responsive design principles, and accessibility standards.

JavaScript Algorithms and Data Structures Certificate

2023 | FreeCodeCamp.org

In-depth certification covering JavaScript fundamentals, ES6, functional programming, object-oriented programming, algorithms, and data structures.

EDUCATION

Higher Education Access Certificate

One Year Program | Physics and Mathematics

Comprehensive foundation program in Physics and Mathematics, preparing for higher education in STEM fields.