

Daniel Karanja Agira

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PROFESSIONAL SUMMARY

Full Stack Software Engineer with a strong background in scalable backend systems, currently at Swift Hailing Ltd, where I work on migrating core platforms from Laravel to Elixir/Phoenix and building new products from the ground up. Previously spent over two years at Aimsoft Limited developing mission-critical Life Insurance and HR management systems used across the African market. My expertise spans full-stack development, microservices architecture, DevOps, and scalable systems, and I thrive on solving real-world challenges through technology in collaborative, fast-moving environments.

EDUCATION

- BSc in Computer Science, Pwani University (2019 – 2023)
- Full Stack Development Bootcamp, BEAM International College (2018 – 2019)

PROFESSIONAL EXPERIENCE

Software Engineer – Swift Hailing Ltd

May 2026 – Present

- Contribute to the development and modernization of core platforms by migrating legacy Laravel services to Elixir and Phoenix for improved scalability and performance.
- Involved in the design and development of new products from the ground up, including solution architecture, system design, and backend engineering.
- Collaborate on improving processes, user experience, and interfaces across the company's mobile application suite using Flutter.

Software Engineer – Aimsoft Limited

Nov 2025 – Apr 2026

- Played a key role in the development and support of the Life Insurance System, ensuring smooth operation of critical modules including Group Life, Ordinary Life, Pensions, and Group Credit.
- Designed, implemented, and maintained a microservices architecture while enforcing best practices in DevOps, CI/CD, and system scalability.
- Contributed to a Human Resource Management System (HRMS) covering the full employee lifecycle, from recruitment and onboarding to engagement and offboarding.
- Worked extensively with React, Django, RabbitMQ, Celery, Oracle, PostgreSQL, and Laravel, using event-driven architectures to ensure optimal functionality and reliability.

Junior Software Engineer – Aimsoft Limited

Feb 2024 – Oct 2025

- Worked on AIMS Life System, a comprehensive platform for life insurance products including Ordinary/Individual Life, Group Life, Group Credit, and Pensions, used by insurance companies across the African market.
- Supported a microservices architecture built for fault tolerance and scalability, leveraging React, Django, Oracle, and Celery for background task processing.
- Contributed to the AIMS General Business Suite, AIMS Life, and AIMS Medical products using Laravel.

Software Developer – Imot-tech Solutions

Jan 2023 – Dec 2023

- Built a hotspot connectivity management system for UniFi Long-Range Access Points across Nairobi and Kiambu.
- Enabled users to purchase packages (hourly, daily, weekly, monthly), pay via M-Pesa, and receive vouchers via the Africa's Talking API.
- Implemented dynamic package maintenance, paybill/credential management, and a reversal module for failed transactions.
- Developed an admin portal for tracking transactions, user management, financial summaries, and free marketing vouchers.
- Optimized systems to handle incomplete processes (e.g., voucher creation failure) with a tracking and retry mechanism.

Software Developer – Christiane School

Jan 2021 – Nov 2022

- Designed and implemented a comprehensive finance system, optimizing income tracking, salary processing, and expense monitoring.
- Built an intuitive staff management portal for streamlined communication and record-keeping.

- Developed an automated bulk SMS system to handle fee reminders and notifications aligned with the school calendar.

Intern – Kenya Civil Aviation Authority

May 2022 – Aug 2022

- Gained experience in system administration, ICT support, and server management.
- Conducted regular server backups and contributed to network engineering tasks.

CERTIFICATIONS & RECOGNITIONS

- 10+ Udemy Certifications: DevOps, Oracle DB, UI/UX, and more.
- Huawei Seeds for the Future
- UNESCO India Africa Hackathon Finalist
- Microsoft Game of Learners (Season 4 & Exhibition Hackathons)
- Cisco Cybersecurity & Networking Fundamentals
- Web Design and Development, BEAM International College

TECHNICAL SKILLS

- Languages & Frameworks: Elixir, Phoenix, Next.js, React.js, Node.js, Express.js, Laravel, Django, PHP, Python, Flutter.
- Backend & Messaging: RabbitMQ, Celery, Oban, event-driven architectures, microservices design.
- Version Control: Git, GitLab, GitHub, GitHub Actions for CI/CD.
- UI/UX Design: Figma for wireframing and prototyping.
- Database Management: PostgreSQL, MySQL, MongoDB, Oracle DB, and database optimization techniques.
- Cloud & DevOps: DigitalOcean, Docker, Nginx, Microsoft Azure, CI/CD pipelines, and deploying scalable, fault-tolerant applications.

HOBBIES & INTERESTS

- Exploring leadership and innovation through inspirational books and cultural diversity.
- Staying updated with advancements in cloud computing, AI, and software development.
- Solving complex puzzles and engaging in collaborative problem-solving activities.
- Participating in community-driven tech initiatives and hackathons to foster innovation.

REFERENCES

Mr. Gabriel Wainaina
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