

**Daniel Karanja Agira**

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**Portfolio:** [agiraportfolio.vercel.app](https://agiraportfolio.vercel.app)

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## Professional Summary

I am a results-driven Full Stack Software Engineer with 4 years of combined corporate and freelance experience, currently delivering scalable digital solutions at Aimsoft Limited. I bring deep expertise in full-stack development, cloud-native systems, and DevOps practices across domains like insurance, HR, and network management. I thrive in fast-paced, collaborative environments and am passionate about building reliable, efficient systems that solve real-world problems at scale.

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## Education

- **BSc in Computer Science**, Pwani University (2019 – 2023)  
Second Class Upper Division – GPA: 3.6
  - **Full Stack Development Bootcamp**, BEAM International College (2018 – 2019)
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## Professional Experience

### Software Developer – Aimsoft Limited (*Jan 2024 – Present*)

- Redesigned core modules in AIMS Life System, reducing processing time by 40% and improving scalability for over 20 insurance providers across Africa.
- Spearheaded the development of a Human Resource Management System (HRMS), improving onboarding and payroll processing efficiency by 60% using Django and Django Templates.
- Enhanced core company products like AIMS General Business Suite, AIMS Life, and AIMS Medical, leveraging Laravel to streamline operations and ensure seamless functionality.
- Leveraged a Microservices architecture in React, Django, and Celery to ensure fault tolerance and scalable background task processing.

### Software Developer – Imot-tech Solutions (*Jan 2023 – Dec 2023*)

- Built a dynamic hotspot connectivity management system for UniFi Long-Range Access Points, supporting over 5,000 active users monthly with 99.9% uptime.

- Implemented dynamic package maintenance, paybill credential management, and a reversal module for failed transactions, enhancing system reliability.
- Developed an admin portal for tracking transactions, user management, financial summaries, and marketing voucher distribution, increasing operational efficiency by 40%.
- Optimized systems to handle incomplete processes, such as voucher creation failures, with automated tracking and retry mechanisms.

#### **Software Developer – Christiane School** *(Jan 2021 – Nov 2022)*

- **Digitized Finance Management:** Digitized finance management, optimizing income tracking, salary processing, and expense monitoring, reducing manual workload by 40%.
- **Staff Management Portal:** Built a staff management portal that streamlined communication and improved staff record-keeping efficiency by 25%.
- **Automated Bulk SMS System:** Developed a bulk SMS system that increased parental engagement by 50%, automating fee reminders and notifications in alignment 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.

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#### **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

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#### **Technical Skills**

- **Languages & Frameworks:** Next.js, React.js, Node.js, Express.js, Laravel, Django, PHP, MySQL, Python, Golang, Postgres.
- **Version Control:** Proficient in Git, Gitlab and GitHub for code collaboration and version management.

- **UI/UX Design:** Expertise in Figma for wireframing and prototyping.
  - **Database Management:** Skilled in MySQL, Postgres, MongoDB, Oracle DB, and database optimization techniques.
  - **Cloud & DevOps:** Experience with Microsoft Azure, Docker, Celery, and deploying scalable, fault-tolerant applications.
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### **Hobbies & Interests**

- Exploring leadership and innovation through inspirational books and cultural diversity.
- Participating in community-driven tech initiatives and hackathons to foster innovation.