Daniel Karanja Agira

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Professional Summary

I am a results-driven Full Stack Software Engineer at Aimsoft Limited, leveraging a strong foundation in software development and cloud computing to deliver innovative solutions. My expertise spans across full-stack development, DevOps practices, and scalable systems. Passionate about solving real-world challenges through technology, I thrive in collaborative and dynamic environments.

Education

- **BSc in Computer Science**, Pwani University (2019 – 2023)

- **Full Stack Development Bootcamp**, BEAM International College (2018 – 2019)

Professional Experience

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

- Worked extensively on AIMS Life System, a comprehensive platform for life insurance products including Ordinary/Individual Life, Group Life, Group Credit, and Pensions. This system is widely used by insurance companies across the African market. It employs microservices architecture to ensure fault tolerance and scalability, leveraging technologies such as React, Django, Oracle, and Celery for background task processing.

- Spearheaded the development of a Human Resource Management System (HRMS), a robust solution covering onboarding, recruitment, employee management, training, leave management, loan management, and payroll. This system is built using Django and Django Templates to ensure a seamless and efficient user experience.

- Enhanced core company products like AIMS General Business Suite, AIMS Life, and AIMS Medical using Laravel.

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

- Built a **hotspot connectivity management system** for UniFi Long-Range Access Points in Nairobi and Kiambu.
  - Users could purchase packages (hourly, daily, weekly, monthly), pay via **M-Pesa**, and receive vouchers via **Africastalking 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)*

- **Digitized Finance Management:** Designed and implemented a comprehensive finance system, optimizing income tracking, salary processing, and expense monitoring.
- **Staff Management Portal:** Built an intuitive portal for streamlined staff communication and record-keeping.
- **Automated Bulk SMS System:** Developed an integrated system to automate 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:** Next.js, React.js, Node.js, Express.js, Laravel, Django, PHP, MySQL, Python.

- **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.

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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