

Kennedy Mwavu

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Skills

Programming Languages: R, JavaScript, SQL

Version Control: Git, GitHub

Containerization: Docker

Cloud Platforms: Google Cloud Platform (GCP), Digital Ocean

Experience

Software Developer, ACTSERV – Nairobi, Kenya

July 2021 – March 2025

- Revolutionized the efficiency of runoff triangle processing, cutting processing time from 2 hours to 10 seconds. This breakthrough significantly boosted analytical productivity and accuracy for client projects.
- Collaborated with the insurance team to develop comprehensive software modules for IFRS 17 insurance contracts, enhancing compliance, reporting accuracy, and operational efficiency.
- Designed RESTful APIs consumed by internal and external applications, ensuring secure and efficient data exchange when integrating with third-party services.
- Led a team of junior developers in the design, development and deployment of key software modules, providing mentorship and ensuring adherence to best coding practices.
- Developed automated data processing pipelines that reduced manual intervention, thereby minimizing errors and cutting down data processing time by over 80%.

Software Developer Consultant, SevenSkies – Nairobi, Kenya

Jan 2023 – June 2023

- Implemented robust security measures, including encryption, authentication, and authorization protocols, safeguarding sensitive client data and ensuring compliance with industry standards.
- Transitioned legacy monolithic applications to a microservices architecture, improving system modularity, scalability and maintainability.
- Set up continuous integration and continuous deployment pipelines using GitHub Actions and Docker, enabling rapid and reliable application updates and deployments.
- Debugged and optimized R Shiny applications, improving performance and user experience.
- Deployed applications via Google Cloud Platform (GCP), ensuring seamless operation and scalability.

Projects

Ambiorix - Web framework for R

ambiorix-web/ambiorix

- Enhanced error handling in within the framework, fixed critical bugs, and developed comprehensive end-to-end examples showcasing the framework's capabilities.

Education

University of Nairobi, BSc Actuarial Science

Sept 2018 – Sept 2022

- Grade: Second Class Honours, Upper Division