

Kennedy Mwavu

Innovative software developer with a track record of delivering reliable, efficient and scalable solutions. Experienced in agile methodology and test-driven development. A collaborative team player who understands when to offer help and when to seek assistance.

CONTACT

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Nairobi, Kenya

EXPERIENCE

Actuarial Services (EA) Ltd, Nairobi — *Software Developer*

Jan 2022 - PRESENT

- Developed a system for general valuation of actuarial claims, in R and Javascript. Using R's data.table library, the system reduced the time taken to generate runoff triangles from an initial 1-2 hours using excel to less than 10 seconds.
- Created a desktop application using R to automate conversion of xlsx files to csv. To optimize on speed, the app made system calls via bash scripts. Coworkers quickly adopted the app due to its high speed and customization in comparison to software like excel.

Actuarial Services (EA) Ltd, Nairobi — *Assistant Software Developer*

July 2021 - Dec 2021

- Built a web app using R to show performance of different insurance classes in Kenya. Leveraged R's plotly library for interactive visualizations. Used postgresql since it can handle concurrent transactions. The app made it easier to perform crud operations on client's data.
- Learned app deployment using docker and shinyproxy, skills which I use up to date.

EDUCATION

University of Nairobi, Kenya — *BSC Actuarial Science*

Sept 2018 - May 2022

- Second class upper division

PROJECTS

[spent](#)

- Built using R and Javascript, this personal project explores my spending habits by analyzing the receipts I get from stores and supermarkets. Used Javascript's echarts library for neat and highly interactive visuals.

SKILLS

R

HTML, CSS & JavaScript

PostgreSQL

TOOLS

Git & GitHub

Docker

Linux

Bash