Abraham Jerry Kakooza

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SKILLS

Technical: RHEL, Ansible, Git, IaC, DevOps, Asana, VMWare, NLP, APIs, AWS, Azure, PostgreSQL, JavaScript, Python, AD

PROFESSIONAL EXPERIENCE

Stanbic Bank   **Kampala, Uganda**

Officer Unix and Microsoft Support (RHEL, VMware, Windows Server, Ansible, DevOps, NetBackup)   June 2022 - Present

- Setup and manage a large scale hybrid cloud IT infrastructure of over 500 servers using IaC tools to meet security compliance requirements, Software architect and developer needs.
- Patched RHEL OS of over 100 production VM servers to version 7.9
- Expanded the HPE nimble storage in both production and DR environments by 126TB each and migrated data off Storwize V7000 Gen2 to HPE nimble storage.

Sector Software   **NewYork, USA(Remote)**

Software Engineer (Ruby, PostgreSQL, Javascript)   June 2021 –Present

- Backend Software Engineer who builds, tests and administers automated tools to aggregate and integrate relevant Jobs data from various Job board platforms into the company database for cohort members to easily search for Jobs. To handle server provider limits, I built a custom DB state management script that filters out what should be added to the datastore while archiving the deleted information safely.

Technical Interview Prep Sessions Facilitator   March 2021 - June 2021

OSCA(Open Source Community Africa) Kampala Chapter   **Kampala, Uganda**

Community Lead   March 2021 – Present

- Initiated and grew this community of open source enthusiasts in Uganda. I steered community partnerships with significant Tech Hubs such as The Innovation Village, Tunga, Outbox, and StartHub.

Makerere AI Lab   **Kampala, Uganda**

ML Engineer (Python, ReactJS, APIs, MySQL,)   June 2021 –June 2022

- Collected data, pre-processed, built training and inference pipelines for various NLP models such as state-of-the-art local language STT and TTS models. I also built a crowdsourcing web tool to perform TTS model evaluations.

PROJECTS

WePod - Open Summer of Code 2021   **Brussels,Belgium(Remote)**

Student Intern (Solid, ReactJS, Npm, APIs, Javascript, SPARQL)   July 2021

- Built a photos management application with decentralized solid pod technology for IDLab.

IDLab (UGent - UAntwerpen - imec)   **Ghent,Flemish Region,Belgium - Remote**

Contributor (Javascript, LeafletJS)   June 2021

- Developed a new feature to visualize data points on a map for SPARQL/GraphQL queries whose linked data results had wkt strings inside them on the comunica platform.

Undergraduate degree project thesis

A sales recommendation engine for local pharmacies (LSTMs, Python, RNNs)

- Developed a sales forecasting engine for various drugs that used machine learning models and previous yearly sales to come up with one-day ahead forecasts accurately.

EDUCATION

Makerere University- College of Engineering   **Kampala, Uganda**

BSc Telecommunications Engineering   September 2016-December 2020

CERTIFICATIONS

AWS Certified Cloud Practitioner

Microsoft Certified: Azure Fundamentals