Abraham Jerry Kakooza

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SKILLS

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

EDUCATION

Grand Canyon University, Arizona

MSc Cybersecurity Engineering June 2024 - Present

Makerere University

BSc Telecommunications Engineering September 2016 - December 2020

PROFESSIONAL EXPERIENCE

Spokane Tribe of Indians **Washington, USA - Hybrid**

Systems Administrator April 2024 - Present

Spokane Tribe of Indians is a federally recognized tribe in Washington state.

- I implement modern cloud cybersecurity controls to defend a 100% SD-WAN from threat actors.
- Perform pen tests to identify potential issues in security controls and recommend mitigation strategies.

Stanbic Bank **Remote**

Infrastructure, Software Engineer (RHEL, VMware, Windows Server, Ansible, DevOps, NetBackup) Jan 2021 - Jan 2024

- Improved Server provisioning and handover time from 2 days to 5 minutes using IaC tools such as Terraform and Ansible with all hardening requirements.
- Reduced Disaster test simulation times from a day to 15 minutes by performing infrastructural upgrades and identifying faulty components in real time using monitoring alerts.
- Improved the rate of successful daily backups from 50% to more than 98% as per departmental SLA by identifying and remediating faults.
- Identified repetitive administrative tasks such as server patching and built operational runbooks that improved the monthly security patching compliance report from 20% to more than 95%
- Delivered solutions to both the **cloud**(**AWS and Azure**) and on-premises in test and production environments within stipulated project time frames.
- We implemented monitoring agents and set up real-time recommendation alerts from tools such as App Dynamics, Azure Arc, and Redhat Insights to remediate server security vulnerabilities, SRE best practices

Open Source Community Africa - oscakampala.org **Hybrid**

Community Lead (Kampala Chapter) March 2021 - Dec 2023

- Organized and held the first and biggest Open Source Summit in the region which attracted over 200 IT professionals from various backgrounds and 5 major sponsors.
- Grew a community of open-source enthusiasts to more than 600 active members.
- Professionally collaborated with the community, over 30 community managers, and 6 tech leads to deliver more than 5 community meetups annually.
- Identified and spearheaded relevant community partnerships with 5 major regional tech communities with shared visions.

Sector Software **NewYork, USA -Remote**

Software Engineer (Ruby, PostgreSQL, Javascript) June 2021 –January 2023

- Designed the Data UX with the product team for a platform identifying more than 100 entry-level software jobs on a daily.
- Identified performance issues and optimized software which grew the userbase by 50% in less than a year.
- Documented, tested code, and troubleshoot errors in the stack
- Integrated more than 3 APIs into the platform
- Managed individual project priorities, deadlines, and deliverables

Makerere AI Lab **Remote**

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

- Provided 5 teams with technical inputs for the design, building, training, and implementation of speech recognition models
- Built, trained, and refined speech and non-speech recognition models such as deep speech, keyword spotting, and performance transfer learning models.
- Constantly learned and implemented new methods and tools that improved the speed and accuracy of the machine learning models which reduced inference times by 80%.
- Reported project progress to stakeholders, set deliverables, and considered velocity metrics to determine project timelines.
- Deployed the tested machine language models to 3 real-world production applications and use cases