

Abraham Jerry K.

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SKILLS

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

PROFESSIONAL EXPERIENCE

Standard Bank

Remote

Infrastructure, Software Engineer (RHEL, VMware, Git, Ansible, DevOps, NetBackup, AWS ECS) August 2019 - Dec 2023

- Improved Server provisioning and handover time from 2 days to 5 minutes using IaC tools such as CloudFormation, 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
- Administered a composable IT infrastructure for Day 0, 1, and 2 operations

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, attracting 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, Jira)

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
- Deployed fully tested code components into production

Open Knowledge - Open Summer of Code

Belgium - Remote

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

July 2021

- Built a photo management application with decentralized solid pod technology for IDLab
- Worked and distributed tasks within a team of 4 to deliver an MVP in 3 weeks.
- Designed and presented a 60s pitch of the product on demo day
- Used open-source design principles to enable project self-sustainability

Makerere AI Lab

Remote

ML Engineer (Python, ReactJS, APIs, MySQL, Java, Docker)

June 2016 –July 2019

- 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

EDUCATION

Makerere University - College of Engineering

BSc Telecommunications Engineering

September 2016-December 2020

- [Degree thesis](#): A predictive analytics sales recommendation system for pharmacies

CERTIFICATIONS

[AWS Certified Cloud Practitioner](#)

[Systems Operations on AWS](#)