

Kagiso Kgwahla

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SGT SOLUTIONS | JUNIOR SUPPORT ENGINEER

Aug 2021 – June 2022 | Centurion, Gauteng

- Automated daily tasks with python scripts using paramiko and pexpect to increase productivity in the workplace
- Wrote a python script to restart over 100 Vodacom vTaps nationwide at 5am everyday using linux crontab and python libraries
- Troubleshoot servers with over subscriptions on telecommunication network and do daily health checks on Vodacom/Telkom servers
- Physical installations of new servers on site for Vodacom nationwide [CPT,Durban and Midrand] as well as assigning IP addresses
- Used data collected from real-time network to interpret statistical information to make it useful for the business using python, SQL and Tableau.

EXPERIENCE

NICEHEALTH | FULL STACK DEVELOPER

Jul 2019 – Oct 2020 | Johannesburg, Gauteng

- Developed a cloud-based solution to automate and enhance the engineering process using AWS and Python.
- Design a web application for the start-up using ReactJS and HTML. Using containers which can be reusable in other areas of the code.
- Reviewed code, debugged problems and corrected issues using software testing processes.
- Host a static website on an Amazon S3 bucket and configure a secure accessibility to the website.
- Gathered and defined customer requirements to develop clear specifications for creating well-organized project plans.

ITHUBA LOTTERY | PART-TIME INTERN

Feb 2017 – Nov 2018 | Sandton, Gauteng

- Installed and configured desktop computers for a new department.
- Organized meetings with the vendor to receive in-depth product information and answers to cross-departmental questions.
- Reported back to instructor and management to receive day-to-day tasks and responsibilities.
- Worked with a team to plan executive visit and team-building exercise for 200 employees.

PROJECTS

VODACOM LAB INSTALLATION AND AUTOMATION

|LICENSING CONFIGURING OF VODACOM CENTOS SERVERS

Sep 2021 – Oct 2021 | Centurion, Gauteng

- Installed linux OS (Centos 7) on lab servers to recreate real-world network errors for troubleshooting purposes and problem solving.
- Wrote scripts which run every 5 minutes to ping numerous server to check if they are active and has low RTT time.

NICE HEALTH APP | START-UP APP

Jul 2019 – Oct 2020 | Johannesburg, Gauteng

- Use android studio in Java to create user friendly UI for consumers.
- Create a database using Firebase and ensure recoverability of data.

EDUCATION

UNIVERSITY OF CAPE TOWN

BACHELOR OF SCIENCE IN

COMPUTER SCIENCE WITH MINORS IN

COMPUTER ENGINEERING AND

PHYSICS

Expected Dec 2020 | Cape Town,

Western Cape

70 for C++ and Machine Learning

Distinction for Discrete Maths

Cum. GPA: 65

**AWS SOLUTIONS ARCHITECT
ASSOCIATE [SAA-C02]**

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SKILLS

PROGRAMMING

3+ years:

Python • C/C++ • Java • HTML •
ReactJS

2+ years:

MySQL • AWS Cloud Computing •
Android Studio • Git

TECHNOLOGY

Git/Github • AWS •

Linux(Centos/Ubuntu)

Tableau • Windows • Jupyter Notebook

Latex • UNIX • Wireshark • nGeniusOne

Session Analyzer • Windows PowerShell

COURSEWORK

GRADUATE

Computer Science and Computer
Engineering

UNDERGRADUATE

Algorithm Analysis

Embedded Systems

Operating Systems I

System Analysis

Data Storage and Manipulation

Computer Networks

Introduction to Probability

LINKS

Github:// kagisokgwahla

LinkedIn:// kagisokgwahla

Tableau:// kagisokgwahla