

ALEXA JOHN MURITHI

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OBJECTIVE

An entry-level in Computer engineering or Computer Science related field to gain field experience and thus execute my lifelong dream of owning a world class tech company.

EDUCATION

- ✓ **Kenya Certificate of Primary Education (KCPE),** Completed November 2013
KAIRUNI PRIMARY SCHOOL
Score 372 marks (B+)
- ✓ **Kenya Certificate of Secondary Education (KCSE),** Completed November 2017
SHIMO LA TEWA SCHOOL, MOMBASA
Score 66 AGP (B plain)
- ✓ **Bachelor of Technology, Computer, and electronic systems,** Graduated December 2023.
MOUNT KENYA UNIVERSITY MAIN CAMPUS, THIKA
Second class honors
Related coursework: Learning Computer and electronic systems (both software and hardware) for developing Intelligent technology systems that improve human life and make everyday activities smart.

Other:

- **Google Africa Developers** (MAR 2022 – NOV 2022)
Google Cloud Platform bootcamp.
- **Andela and Meta** -(AUG – SEPT 2023)
React bootcamp.

SKILLS & ABILITIES

Programming

- Able to use programming languages such as C++, JavaScript (ECMAScript 6), TypeScript and Python.
- Well versed in React library, Flask, and Django Web Framework.
- I Can program microcontrollers using native Arduino platform and other platforms.
- Also, well versed in containerization using Docker and cloud architectures such Kubernetes.
- I manage my code base using Git for version control specifically GitHub.

Databases

- Knowledge of NoSQL databases such as MongoDB and Redis.
- Basic knowledge of SQL database MySQL

APIs and API Query Language

- I have intermediate knowledge of GraphQL (with Apollo Server) and can set up query functions based on set schemas.
- Well versed in API architectures especially REST and SOAP approaches.
- Can be able to set up a REST API using NodeJS (specifically ExpressJS).

Linux kernel based Operating Systems

- Well versed in Linux distros such as:
 - Kali Linux
 - Ubuntu
 - Fedora
 - Arch Linux

Electronics circuit design and fabrication

- Can design complex circuits and fabricate them on PCBs.
- I Can design PCBs and have basic electronics skills such as soldering, repairing and maintenance.

ICT systems repair and maintenance

- Can troubleshoot problems in IT related systems and repair and maintain computer hardware.
- Networking skills in terms of troubleshooting and maintenance of network connections.

Computer networking and troubleshooting

- I have mid-level knowledge in computer networking and can be able to design networks, maintain good connection between local and external networks, troubleshoot whenever there is a problem and find a solution.
- Well versed in networking protocols, architectures, and implementation, also trained in mobile computing.
- Able to configure Cisco and Huawei Routers. (Participated in the Huawei ICT Competition 2023 under the Network Track and qualified for the nationals).

Google Cloud Deployment and maintenance

- Finished the course training online via Pluralsight under the scholarship Google Africa Developers Scholarship Program and received a participation certificate (attached).
- Well versed in google compute engine and Kubernetes.

Containerizations

- Well versed in Docker deployment and maintenance of software applications.

Leadership

- Served as a Science club chairman for two years in high school.
- Served as a class representative in my first year up to third year in university.
- Served as an organizing secretary for one year in my universities Coast Association.

Communication

- Have participated in numerous class presentations during my years in high school.
- Presented in Science congress at the county level (category physics) became among top 5 and qualified for regional levels for two years (2016 and 2017).

Other skills and abilities

- Project management
- Research and development

WORK EXPERIENCE

- **Industrial Attachment (Computer engineer)**
Nupola Technologies (Tech Invest), Nyalı, Mombasa February to April 2021
Work details: Designed electronic circuits for smart devices, such as trackers among others as well as writing, compiling, and uploading programs for microcontrollers.
- **Compliance Internship (AML Analyst)**
Equity Bank Limited Kenya, Head office Upper Hill Nairobi. March to August 2023
Work details: Analysis of transactions and any bank activity to check for suspicious activity involved in money laundering and financing of terrorism.
- **IT Risk Officer (Compliance IT officer)**
Equity Bank Limited Kenya, Head office Upper Hill Nairobi. August 2022 to December 2023
Work details: Developing software systems to support the AML and Financial Crime Department as well as provide technical support to work devices such as laptops among others.

HOBBIES

- Cycling, swimming, watching movies, coding, and reading novels

REFEREES

*Isaiah Sifuna Khaemba, Head of Framework and Governance
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