

CURRICULUM VITAE

DANIEL SOI MUTHAMA



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 - ❖ **LinkedIn :** <http://www.linkedin.com/in/daniel-muthama-577b211a5>
 - ❖ **Date of Birth :** 28 October 1995.
 - ❖ **Nationality :** Kenyan.
 - ❖ **ID Number :** 33404907.
 - ❖ **Gender :** Male.
 - ❖ **Religion :** Christian.
 - ❖ **Marital Status :** Single.
 - ❖ **Language :** Kamba, Swahili, English.
 - ❖ **Home Town :** Kangundo, Machakos.

1. MY GOALS

- ✚ To pursue my mission by performing high quality work in the field of *computer science* and *technology* or any other related field where I can utilize my interpersonal skills as well as academic qualifications and experience to achieve and enhance organization's daily short term and long-term goals.
- ✚ To work as per the standard operating procedure of a company.

2. MY SKILLS

2.1. PERSONAL SKILLS

- Excellent interpersonal and communication skills with good negotiation ability.
- English proficient both writing and speaking (*B1/B2* certified by Andela-immersion).
- Effectively involved in multi-cultural and multidisciplinary team tasks.
- Excellent organization, managerial and soft skills.
- Ease in creating and maintaining a good relationship with others.
- Possess extensive administrative and customer service skills.
- Excellent written and verbal communication skills.
- Goal-oriented and ability to handle multiple tasks.
- Superb organizational planning skills.
- Able to collect, evaluate and interpret data in both statistical and narrative form.
- Experience with *QuickBooks* and maintaining office budget.
- Mastery of Microsoft Office programs (*Word, Excel, and PowerPoint*).
- Ability to work effectively with several operating systems such as: - *Windows, Mac OS X,* and *Linux* (certified) in both *GUI* and *Command Line Interface (CLI)*.

2.2. CAREER SKILLS

- Able to work in any agile development environment and understands all Scrum processes.
- Good at Web design, *UI/UX*, App Dev. and *APIs* deployment using *JavaScript, React, Node.js, Express, GraphQL, Ruby on Rails, Python* (certified), *C++* and *P5.js* (graphic).
- Able to interact and work with various database management systems, more familiar with *MongoDB (mongoose & monk library), MySQL, Oracle DBA* and *Neo4j* graph visualizer.
- Proficient in *Version control systems* and their commands, such as *GitHub* (which host *Gits* projects) aiding in code collaboration and keeping track of various versions of codes.
- Familiar with web evaluation tools (*WAVE*), testing tools and deployment tools (*Bamboo*).
- Possess skills and experience in Natural language Processing (*NLTK & Spacy*), *AI (Machine learning & Deep Learning)*, *IoT (certified)*, *Data Science (Apache Kafka & R)* and *Neural Network (CNN & RNN models)*, familiar with *R* and *Python* *AI* frameworks and libraries such as (*Scikit, TensorFlow, randomForest, NumPy* and *matplotlib*).
- Diverse skills in *DevOps*, *cybersecurity (certified)* and *networking* both in theory and practical i.e. (certified *Cisco CCNA 1, 2, 3, 4*).
- Superb skills in *Information system security* (familiar with *SIEM tools* such as *OSSEC*), *Cloud computing (Azure, AWS & Huawei)*, *Data mining & Mobile computation*.
- Excellent skills for designing and analyzing algorithms for best time and space complexity.
- Diverse skills in *Telecommunication* e.g., *Optical fiber comm.* with knowledge of *mode of data transfer, error-checking, encoding & modulation* schemes, etc. which mostly affect system's *bandwidth, throughput* and *latency*, the common performance metrics.
- Able to interact and work freely with both software and hardware, covering areas in embedded systems design using microcontrollers like *Arduino (C++)* and *Raspberry pi*.
- Possess Strong design and analytical skills of digital electronics dealing with programmable logic devices such as *PROMs, PLAs* and their underlying circuitry.

❖ **Best Languages, Frameworks and Technologies:-**

- **Python:** Django and Flask.
- **JavaScript:** Nodejs, Express, P5.Js, Angular and React.
- **TypeScript**
- **Ruby**
- **R**
- **C++**
- **Kotlin**
- **MATLAB**
- **Tensorflow**
- **JAVA**
- **Cloud:** Kubernetes, Docker, Iaas, Faas, Saas, RDS etc.
- **React and Angular**

3. PROFESSIONAL QUALIFICATION AND CERTIFICATIONS

3.1. JANUARY 2018 – TO DATE:

❖ **CISCO Networking Academy** - In Association with maseno university:

- Awarded *CISCO* certificates on completion of networking *CCNA (1, 2, 3, 4)*, *IoT and Security*, *Bridging*, *Networking Essentials*, *Entrepreneurship*, and *Cybersecurity* courses in Maseno University.

❖ **Network Development Group (NDG)** - In Association with cisco:

- Awarded *NDG* certificates on completion of *unhatched Linux*, *Linux essentials*, *Linux 1* and *2* courses while at Maseno University.

❖ **Open EDG Python Institute** - In Association with cisco:

- Awarded *PCAP* certificate on completion of *Python Programming Essentials* while at Maseno University.

❖ **Open EDG JavaScript Institute** - In Association with cisco:

- Awarded *CPA* certificate on completion of *JavaScript Programming Essentials* while at Maseno University.

❖ **Open EDG C++ Institute** - In Association with cisco:

- Awarded *CPA* certificate on completion of *C++ Programming Essentials* while at Maseno University.

3.2. SEPTEMBER 2021 – TO DATE:

❖ **Goggle Africa Developers (GADS 2021)**– In Association with Andela and Pluralsight:

- Awarded *Mobile Web Development* certificate on completion of GADS a 6 month program.

❖ **Goggle Africa Developers (GADS 2022)**– In Association with Andela and Pluralsight:

- Awarded *Cloud Engineer* certificate on completion of GADS a 6 month program.

❖ **Goggle Africa Developers (GADS 2022)**– In Association with Andela and Pluralsight:

- Awarded *Android Development* certificate on completion of GADS a 6 month program.

3.3. SEPTEMBER 2021:

❖ **Emmersion** – In Association with Andela:

- Awarded *Certificate of Language Ability* after completing a series of English tests.

3.4. OCTOBER 2021 – TO DATE:

❖ **Moringa School – Data Science:**

- Awarded *Data Science* certificates on completion of prep and core modules a 9 month program.

❖ **Moringa School – Software Development:**

- Awarded *Software Development* certificates on completion of prep and core modules a 6 month program.

3.5. APRIL 2022 – TO DATE:

❖ **Huawei – Talent online:**

- Awarded *Huawei* certificates on completion of *Information Representation and Data Organization, Cloud Solution Architect, Network Security*.

3.6. MAY 2022 – TO DATE:

❖ **Udacity – In Association with ALX-T and Holberton School:**

- Awarded *Udacity* certificates on completion of *AWS machine learning and AWS Cloud Developer* a 4 month program.

3.7. MAY 2022 – TO DATE:

❖ **ALX – Software Engineering In Association with Holberton School:**

- Awarded *Software Engineering* certificate on completion of *Software Engineering* a 12 month program

3.8. MY PROJECTS AND CONTRIBUTIONS AVAILABLE IN:

❖ **My GitHub Account: <https://github.com/danielmuthama?tab=repositories>**

- **With Over 100+ Repos which includes: -**

- Full stack code (*Python, JavaScript & MERN*), Networking (*Packet Tracer simulations*), Machine learning, Neural networks, Data science (*R*), Graphic simulations (*P5.js*), Embedded system programming (*C++*) etc.

POPULAR PROJECTS:

My Gallery App – An application where a user can upload and display images and filter them by their category or location.

Done with the python.

GitHub link: https://github.com/danielmuthama/My_Gallery

Live link: <https://gartllery.herokuapp.com/categories>

Neighborhood App– An application to add new neighbors to the neighborhood

Done with the python-django framework.

GitHub link: <https://github.com/danielmuthama/Neigh--borhood>

Live link: <https://github.com/danielmuthama/Neigh--borhood>

Awards App – A web application to post websites and other web projects as well as review posted projects

Done with the python and JavaScript.

GitHub link: https://github.com/danielmuthama/Awards_App

Live link: <https://awards-mc27.herokuapp.com/>

Movie Watch list – A movie Applications

Done with the python-django framework.

GitHub link: <https://github.com/danielmuthama/Watchlist>

Live link: <https://watchlist01.herokuapp.com/>

4. PERSONAL CHARACTER

- I am very organized, efficient, personable and able to deliver consistently high quality results in challenging and under pressurized work environment. I am also:
- Flexible and adaptable.
 - Honest and Curious person.
 - Hardworking and Innovative.
 - Team Player.

5. EDUCATION

5.1. May 2022 – To Date:

- ❖ Moringa School, Ngong Road: *Certificate of Software Engineering and Data Science.*
- Activity:
- Participated in coding challenges and team code collaboration.

5.2. October 2021 - April 2022:

- ❖ Moringa School, Ngong Road: *Certificate of Software Engineering and Data Science.*
- Activity:
- Participated in coding challenges and team code collaboration.

5.3. August 2015 - April 2019:

- ❖ Maseno University Main Campus, Kisumu: *Bachelor of Science computer technology.*
- Activity:
- Participated in coding challenges and talks hosted by Huawei and Zalego.

5.4. January 2011 - October 2014:

- ❖ ST. Thomas Moore, Nguvuu Boys' HIGH School, grade: *B+ 71 points.*

➤ Activity:

- Dormitory captain.

5.5. January 2002 - November 2010:

- ❖ Kakuyuni primary school, scored: *330 marks*.

➤ Activity:

- Participated in drama and music.

6. WORK EXPERIENCE

6.1. Jan 2015 - Feb 2018: (Freelance)

- ❖ **Atlantis Creative Studios, Nairobi:** Web and Graphic designer.

➤ KEY RESPONSIBILITIES

- Did graphic design using Adobe Creative Suites i.e. illustrator, photoshop, InDesign & after effects and other 2D animation & motion graphics software.
- Did web design using plugin tools such as *WordPress* and *Elementor*.

6.2. April 2018 - June 2019: (Starter Company mostly Worked on Holidays)

- ❖ **Uwezo Software Solution, Kisumu:** Frontend developer.

➤ KEY RESPONSIBILITIES

- Did Frontend development (using *JavaScript* and *React; hooks*).
- Developed a suite of e-commerce web applications (for customers, vendors, riders and administrators).

6.3. May 2019 - Jan 2020: (Contract)

- ❖ **Shantec System Limited, Nairobi:** Backend developer.

➤ KEY RESPONSIBILITIES

- Did Backend development (using *Node.js*, *Express*, and *GraphQL*).
- Designed & developed a *RESTful* web service that powered the mobile applications.

- Developed web and mobile platform for talent acquisition, talent management, billing and monitoring in the medical industry.

6.4. Jan 2020 – November 2020: (Apprenticeship & Freelancer)

❖ **Dasom Technologies Inc., Nairobi:** Network technician.

➤ **KEY RESPONSIBILITIES**

- Designing, analyzing, configuring, troubleshooting and repairing networks.
- Designed an online portal to enable consumer request for services offered by the institution.

6.5. Feb 2021 – To Date: (Part-Time)

❖ **ENCOMM Solutions Limited, Nairobi:** Full Stack developer.

➤ **KEY RESPONSIBILITIES**

- Application development using express, nodejs, typescript and p5js with their powerful frameworks.
- Micro-service architecture design and management using kubernetes and skaffold.

7. COMMUNITY SERVICES

- Member at Kakuyuni Youth Forum (KYF).
- Involved in several coding forums, challenges and festivals such as *Google fests* and *Andela Community Learning (ACL)* e.g. (**Andela's #BuildforSDGChallenge2020**), (**GADS's #MobileDevelopmentChallenge2021**), (**AWS & Microsoft #CloudComputingChallenges**), (**Udacity's #AWSMachineLearningDeepRacerChallenge2021**) and **PyconKe 2022** at USIU.

8. HOBBIES

- Coding.
- Community service.

- Extensive research and reading books.
- Watching documentaries especially dealing new technologies (*Technophile*).

9. REFEREES

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