<u>Curriculum Vitae</u>

<u>Personal Information</u>

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Nationality: Kenyan

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<u>Personal Statement</u>

Motivated and detail-oriented Full Stack Software Engineer with a strong backend focus, proficient in Python and Node.js, and passionate about cybersecurity. Experienced in building and deploying scalable systems, microservices, and APIs. Eager to contribute to the financial tech space and grow within the banking industry.

<u>Technical Skills</u>

- Proficient in Python, JavaScript, Typescript, Node.js, Redis, HTML, CSS, React Library, Tailwind CSS and C
- Frameworks: Flask, Django, express.js
- Hands on experience with Object Relational Mappers (ORMs)
- Proficient in several databases both relational and non-relational: MySQL, MongoDB, SQLite
- Hands of experience in designing REST APIs.
- Experience with Docker, Kubernetes and Linux OS management.
- Proficient in micro-services design architecture
- Proficient in version control tools Git and GitHub.
- Knowledge of penetration testing, OSINT, reconnaissance and network security.
- Application shipping using Nginx, gunicorn and supervisor.
- Hands on experience writing unit tests.

<u>Soft Skills</u>

- Exceptional communication and interpersonal skills
- Goodtime management skills.
- Ability to work independently while collaboration effectively with other team members.
- Strong analytical and problem-solving skills with a keen eye to detail.
- Growth mindset
- Leadership and time management.
- Curiosity and commitment to continuous learning in rapidly evolving tech field.

<u>Education</u>

1. Bachelor of Science in Mathematics and Computer Science
   - Kenyatta University
   - August 2019 - December 2023

2. Kenya Certificate of Secondary Education
   - Katelembo Boys' Secondary School
   - January 2015 – November 2018

Certifications and Courses

1. ALX Software Engineering
   - June 2023 – July 2024
2. CCNA Course
   - Completed CCNA coursework
3. CyberShujaa Security Analysis Boot camp
   - Gained knowledge and skills in security analysis and penetration testing

Experience

1. Software Engineer Trainee - Xcelsz
   - 18th March 2025 – 21st May 2025
   - Developed and maintained software solutions.
   - Improved code base through code refactors and bug fixes
2. Backend Developer Intern - Digital empowerment Network
   - August 2024 – September 2024
   - Built and optimized Node.js APIs using micro-services architecture.
   - Containerized the microservices using Docker and orchestrated them using Kubernetes.
   - Mentored colleagues on technical tasks during the internship
3. Software Engineering Fellow - ALX Africa
   - Completwd several real-world projects using C, Python, JavaScript, flask, express and Typescript.
   - Developed, tested and deployed full-stack systems and APIs under strict deadlines.
   - Collaborated with peers and practiced Agile methodologies.

Projects

- Property_connect

  o March 2025

  o Developed an express.js backend and React frontend application which seeks to connect potential property/house buyers or renters to house/property sellers or landlords.

  o Technologies: React, express, MySQL.
  o [Link to Codebase](#)

- E-vote

  - July 2024

- Developed an online voting platform for convenient voting during calamities such as rainfall which seemed to delay voting during national elections.
- Implemented robust authentication and authorization to prevent voting fraud.
- Technologies: Redis, MongoDB, flask
- [Link to codebase](#)

- Maji app
  - March 2024 - April 2024
  - Developed a website to address water shortage in Mombasa by connecting water vendors to water buyers.
  - Deployed on a Linux server using Nginx, Gunicorn and Supervisor
  - [Link to codebase](#)

- Custom Shell
  - September 2023 - October 2023
  - Implemented a custom shell in C
  - Ensured no memory leaks during testing using Vanguard.
  - [Link to codebase](#)

Interests

- Reading
- Boxing
- Football
- Penetration testing

References
- Sylvester Onyango - 0718036629 - Odhiambosylvester006@gmail.com
- Benard Chunga - 0797965768 - Benardchunga24@gmail.com
- Ben Kimani - 0729808389 - Benzoic09@gmail.com