

Contact

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Top Skills

Entrepreneurship
innovation
Social Impact

Certifications

CodSoft Internship Certification
Diploma in Operations Management
(Ops)
Introduction to Responsible AI
Introduction to Large Language
Models

Honors-Awards

Appreciation to health and safety
observations.
Tree Planting Certificate
3rd Position Winners- Talan Global
Hackathon 2023.

Ismael Kiprop

Founder & CEO at Climate Wavers | Software Engineer | Innovator
in Sustainable Solutions
Nairobi County, Kenya

Summary

Founder & CEO of Climate Wavers, dedicated to creating innovative software solutions for a better future. As a software engineer, I leverage technology to tackle various challenges and drive impactful change. Skilled in leadership, strategic planning, and team management, I am committed to fostering partnerships and driving business growth. Let's connect to collaborate on meaningful projects and shape a brighter future together.

Experience

Climate Wavers
Founder & CEO
May 2024 - Present (3 months)
Nairobi County, Kenya

- Leading a dynamic team in the development of innovative software solutions for environmental sustainability.
- Spearheading strategic initiatives to drive growth and promote positive environmental impact.
- Cultivating partnerships and collaborations to advance the mission of ClimateWavers.
- Overseeing all aspects of business operations, from product development to client relations.

alx_africa
1 year 3 months

Founder Academy Graduate
March 2024 - July 2024 (5 months)
Nairobi County, Kenya

Successfully completed the Founder Academy Program at ALX, gaining in-depth knowledge in entrepreneurship, innovation, and leadership. Developed a robust business model for Climate Wavers, focusing on sustainable solutions to combat climate change. Engaged in hands-on workshops, mentorship

sessions, and collaborative projects to refine entrepreneurial skills and strategies.

Software Engineering

May 2023 - July 2024 (1 year 3 months)

Nairobi County, Kenya

ALX Software Engineering Program

Duration: 12 Months

The ALX Software Engineering program is a comprehensive 12-month full-time course designed to prepare learners for a successful career in the technology industry. This program offers a holistic learning experience, inclusive of a highly rated 3-month ALX Foundations module, focusing on essential professional skills required in today's digital workforce.

Curriculum Highlights:

- Gain critical professional and technical skills for developing cutting-edge solutions rooted in engineering principles and programming expertise.
- Develop strong problem-solving abilities using coding and various technologies.
- Learn to design systems, gather project information, and assess limitations, capabilities, performance requirements, and interfaces.
- Master the art of modeling systems or applications to facilitate code development.
- Acquire the knowledge and skills necessary to calculate, recommend, and plan computer specifications, layouts, and peripheral equipment modifications.
- Analyze system capabilities and requirements through data storage, retrieval, and manipulation.

Upon successful completion of the program, I'll be well-prepared for a career in various technology roles, including:

- Front-End Engineer
- Back-End Engineer
- Full-Stack Engineer
- Graphics Engineer
- DevOps Engineer
- Mobile App Developer
- Embedded System Engineer
- Systems Administrator
- Cyber Security Engineer

KOKO Networks

Sales Engineer

March 2024 - May 2024 (3 months)

Eldoret, Uasin Gishu County, Kenya

Sales Engineer - Clean Cooking Solutions Intern at KOKO Networks.

Passionate about merging technology with sales strategies, I am thrilled to be a Sales Engineer Intern at KOKO Networks. In this role, I actively contribute to promoting cutting-edge technology solutions, specifically KOKO canisters, to existing customers in Eldoret. Engaging in product demonstrations, customer education, and sales strategy refinement, I am dedicated to driving business growth while learning invaluable skills at the intersection of technology and sales. Excited to play a part in enhancing urban life in Africa through innovative energy solutions at KOKO Networks.

REAL BIZ DIGITAL

Software Developer

January 2024 - May 2024 (5 months)

I am currently serving as a Software Development Intern at Real Biz Digital, where I am actively involved in enhancing my skills and contributing to the development of cutting-edge software solutions. Within this dynamic role, I collaborate with a talented team of developers to create innovative and impactful applications.

Key Responsibilities:

- Participating in the design and development of responsive and user-friendly applications using a variety of technologies, including HTML, CSS, JavaScript, and others as required.
- Assisting in the implementation of both front-end and back-end functionalities to ensure seamless user experiences.
- Conducting thorough testing and troubleshooting to identify and resolve any technical issues, ensuring the reliability and functionality of the software.
- Contributing to the optimization of applications for performance and accessibility, utilizing best practices and techniques.
- Working closely with cross-functional teams to understand project requirements and deliver solutions that meet client needs, ensuring effective communication and collaboration throughout the development process.

Overall Experience:

My internship experience at Real Biz Digital has provided me with invaluable hands-on experience in software development, allowing me to expand my skills and knowledge in creating impactful applications. I am grateful for the opportunity to learn and grow within such an innovative and supportive environment.

CodSoft

Web Developer

January 2024 - February 2024 (2 months)

As a Web Developer intern at CodSoft, I am immersed in a dynamic and innovative environment, contributing to cutting-edge web development projects. My role involves hands-on experience with HTML, CSS, and JavaScript, as well as learning about the latest industry trends and best practices.

Key Responsibilities:

Collaborating with a talented team to create and implement web solutions.
Gaining practical experience in web development methodologies.
Participating in the entire development lifecycle, from concept to deployment.

Learning Objectives:

Strengthening my skills in front-end and back-end development.
Exploring the intricacies of responsive web design and user experience.
Acquiring proficiency in version control and collaborative development tools.
This internship serves as a valuable opportunity for me to expand my knowledge, apply theoretical concepts to real-world scenarios, and contribute to the exciting projects that CodSoft is renowned for. I'm eager to absorb as much as possible during this learning journey and make a meaningful impact within the CodSoft community.

Upwork

Full Stack Developer

October 2023 - January 2024 (4 months)

As a Full Stack Developer on Upwork, I've honed my expertise in crafting dynamic websites and scalable software solutions for a diverse range of clients. Leveraging skills in Python, JavaScript, Django, HTML, CSS and SEO, I've contributed to empowering businesses worldwide. My commitment to precision, effective communication, and end-to-end project management has

consistently ensured exceptional outcomes, fostering growth for client ventures across various industries

codeshift

Django Developer

October 2023 - December 2023 (3 months)

Led a collaborative team effort during a hackathon to develop Climate Wavers, a social media web application dedicated to addressing climate change concerns. Spearheaded the creation of the Django Server microservice, empowering core functionalities, user management, and data processing. Utilized AI-driven analysis to monitor climate changes, predict disasters, and streamline disaster response. Orchestrated the implementation of RESTful APIs, user authentication, and real-time data processing features. Successfully deployed the microservice to OpenShift clusters through innovative, automated deployment methodologies within the hackathon timeframe.

Talan

Python Django Backend Developer - ClimateWavers Project

September 2023 - October 2023 (2 months)

Contributions to ClimateWavers - Python Django Backend

As a core contributor to the Python Django backend of the ClimateWavers project, my role centered on architecting and developing the server-side infrastructure, ensuring seamless functionality and robustness within this innovative platform.

Responsibilities & Achievements:

I spearheaded the design and implementation of the Django server, employing Django's powerful framework to orchestrate data processing, real-time communication through Django-socketio, and the deployment of RESTful API endpoints for efficient data retrieval and analysis. Leveraging Python libraries such as Pandas and NumPy, I facilitated real-time data processing, enabling ClimateWavers to offer up-to-date climate information.

Impactful Contributions:

My involvement in configuring the MySQL database for user and communities data significantly fortified the project's data management capabilities. By implementing OWASP Top 10 mitigation strategies, including input validation and secure HTTP headers, I actively contributed to ensuring the platform's resilience against various security threats.

Key Technologies Utilized:

Python Server with Django Framework

MySQL Database Schema Design and Integration

Real-time Data Processing with Pandas and NumPy

RESTful API Development for Data Retrieval and Analysis

Implementation of OWASP Top 10 Mitigation Strategies

My tenure with ClimateWavers enriched my expertise in backend development, particularly in Python Django, data management, and security implementation within a large-scale project focused on climate monitoring and disaster response.

Twiga Foods

Warehouse Site Supervisor

October 2022 - June 2023 (9 months)

Tatu DC

Experienced Warehouse Site Supervisor at Twiga Foods' Tatu DC, overseeing planning, efficiency, compliance, and team management. Responsible for executing supply plans, optimizing resources, ensuring compliance with standards and regulations, and fostering a high-performing team. Proficient in logistics management, team leadership, and warehouse operations.

Equator Energy

Solar mounting

December 2019 - April 2020 (5 months)

Nairobi, Kenya

PANEL INSTALLATION:

- Mounting solar panels on the roof and on the ground using stands.
- Power and wifi cables connection.
- Fixing invertors on the wall

BURN

Dispatch assistant

September 2018 - January 2019 (5 months)

Ruiru, Kenya

DISPATCH ASSISTANT

- Scanning out of jikos for shipment.
- Record keeping.
- Facilitating orders approved by the VP sales.

- Preparing packing slip.

INVENTORY DEPARTMENT

DURATION: 3 MONTHS

JOB DESCRIPTION: LINE OPERATOR

- Issuance of raw materials.
- Managing inventory.
- Updating issuance tracker.

Education

ALX

Founder Academy Program, Entrepreneurship and Innovation · (March 2024 - June 2024)

ALX

Software engineering · (May 2023 - July 2024)

Alison

Diploma in Information Technology Technician · (January 2024)

Alison

Diploma, Diploma in Information Technology Management · (September 2022 - December 2023)

Alison

Certificate, IT Management: Software and Database · (September 2021 - October 2022)