

IAN ALPHA

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Work Experience

Kinetics Technologies

Nairobi, Ke

ERP Software Developer Intern

July 2024 - Sept. 2024

- I built customer-oriented Business reports and published to Microsoft Dynamics Business Central Platform, enhancing customer engagement and customer support for the company.
- I built custom Database table fetch functions reducing time spent on development.
- **Skills:** AL programming, Microsoft Dynamics Business Central, Microsoft Report Builder.

Education

University of Nairobi

Nairobi, Ke

Bsc. in Computer Science

Sep 2021 - present

- Embarked on ISO-certified courses and built ICT projects examined before panels of professionals.
- **Concepts:** Machine learning, Network Management & Implementation, Website development, Network Security & Cryptography, Business Data Analytics and Distributed Systems.

ALX

Nairobi, Ke

Software Engineering

Nov 2022 - Aug 2024

- Built 12 major programming projects spanning Fullstack Website Development, Data Structures & Algorithms, and DevOps and worked on Peer reviews.

Harvard

Online

Web programming with Python & Javascript

April 2023 - Feb 2024

- Built 5 website projects & achieved over 80% score on all projects.
- **Skills:** SQL, Django, Git, Testing, JavaScript, User Interfaces, CI/CD, Scalability & Security.

Projects

Mtihani Hub

Django, Daraja API, JS

- I Built an Edu-tech startup that enables students to access revision papers for 844, CBC & British curriculums at a minimal cost with Payment integration.
- I Implemented a Mailing system with Google App verification & MFA user authentication.

Spo2Yt

Flask, Js, Youtube Data API, Spotipy, GCP, O-Auth

- I Built a web application that enables users to convert their Spotify Playlists to Youtube Music Playlists.

Google Classroom Assignments Manager

Django, React, Google Classroom & Drive API

- I Built a web application that enabled students to manage assignments and view grading statistics on Google Classroom.

Files Manager

Node.Js, Redis, MongoDB

- I created a functional File manager with user Authentication & Permissions.

Queuing System

Node.js, Redis, Kue

- I Implemented a queuing system with a client publisher-subscriber notification architecture.

Technical Skills

Programming Languages Python, Go, C, Javascript, HTML & CSS, AL, Bash, Puppet

Libraries/Frameworks React.js, Express.js, Git, Node.js, Kafka, Kubernetes, Docker, RabbitMQ, Flask, Django

Database & Servers MongoDB, PostgreSQL, MySQL, Redis, Nginx, SSH

Platforms GCP, Vercel, Microsoft Dynamics, Jira