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