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Executive Summary

Experienced Software Engineer with a demonstrated history of working in the Technology industry and committed to adding value to the End-Product through subjective assessment and comprehensive analysis. Skilled in Software Engineering, Computer Security, Artificial Intelligence Methods, and Immersive Tech development.

Skills and capabilities

FRONT-END:

JavaScript, Html, Css, Bootstrap

BACK-END:

Python, Node.js, PHP

Others:

Git, Linux,Apache Jmeter,Cyber Security Tools,

Forensic Tools,Docker,Jenkins

FRAMEWORKS:

Django, GraphQL, Express.js, FastAPI,

Flutter, A-Frame, XCrud, Google AppScript,Fastify

DATABASES & SERVERS:

MySQL, PostgreSQL, MongoDB, Apache, Nginx

Professional Experience

Technical Associate

Kenya Literature Bureau(KLB) – *Nairobi Book Printing company*

09/2019 - 12/2019

In my capacity I performed the following duties and responsibilities:

1. Organizations Network Setup which allowed each department to have access to a quality network.
2. WAN and LAN configuration.
3. Daily computer maintenance.
4. Technical customer support for different departments.

Software Engineer

Brisk Limited Solution – *Software development company*

09/2020 – 07/2021

My duties, responsibilities, and achievements were as follows:
1. Successfully led 2 projects to completion.
2. Performed software implementation as per the documented user stories and highlighted user requirements.
3. Designed the user interface(Front-end) of the application.
4. Repeatedly performed Unit/Component testing and integration testing of the developed modules.
5. Responsible for code merge of the team developers using Gitlab.
6. Mentored 3 new juniors.
7. Created prototypes and demos for client presentations.
8. Responsible for creating the project structure of each project that I led.

Software Engineer

Coseke (K) Limited – *Software development company*

07/2021- 03/2022

My duties, responsibilities, and achievements are as follows:
1. Design, development, deployment, testing, and rollout of solutions.
2. Documentation of solutions provided.
3. Act as point of reference on tender and quotation responses.
4. Participation in proof of concept.
5. Determining operational feasibility of given projects.

Lead Software Engineer

GrainConnect Limited – *AgriBusiness company*

03/2021

1. Back-end Lead on projects
2. Design, development, deployment, testing, and rollout of solutions.
3. Microservice Implementation
4. Docker Management
5. Software implementation as per the documented user stories and highlighted user requirements.
6. Software testing - Unit and Security

PROJECTS

The following projects consist of systems that I have developed from the ground up either as a whole system, back-end functionalities, and front-end interface.

Hospital Client Information Management System(HCIMS)

This is a web application that helps patients have access to their stored hospital data on one platform. Using this system they can view their hospital spendings and trends, monitor medicine prescriptions, make appointments and view their hospital history including doctors who treated them, cost, and medicine prescribed per visit or all of the visits.

The platform has been built with Django/Python.

Mvtrixx Entertainment

This is an e-commerce web application that allows Mvtrixx clients to purchase products from the site. The platform has been built with Django/Python.

Pata-Ndai

This is an online car rental web platform that allows users to book different types of cars based on the model, price, color, car seats, and more.

The platform has been built with Express js, a Node js framework.

E-Procurement (Online procurement system)

This system comprises of functionalities such as e-Informing, e-Tendering, e-Auctioning, vendor management, catalog management, Purchase Order Integration, e-invoicing, Request For Quotations(RFQ),Request For Proposals(RFP),and contract management.

This system has been developed using PHP, HTML,Css and Bootstrap.

C-Bank (Banking web and mobile application)

This is a web and mobile banking platform that allows a user to make local transfers and mobile transfers, while still viewing his/her transaction history.

The web back-end is developed using java SpringBoot, while the web front-end is made using Html,CSS,bootstrap and Javascript.

Mobile Front-end is developed using Flutter.

KEPHIS IEICS (Integrated Export and Import Certification System)

Kenya Plant Health Inspectorate service system manages the import certification and export certification for their stakeholders while managing incoming and outgoing consignments and payments for the import and export. This system facilitates this process.

Agriculture Society of Kenya, Online Ticketing System

ASK is responsible for the arrangement of agricultural shows in Kenya and so this is a web application that allows users to have and create memberships and also register for tickets for the show events.

Collaborative VR (Virtual Reality)

This is a virtual reality application that allows users to interact in a virtual world where they can make presentations and have meetings from wherever they are.

This platform is developed using Javascript and A-frame.

Danico Drone Service

This is an integration to a drone payment service via seerbit payment platform.

This integration has been developed using Python(Fast API framework)

E-Board Solution

This is an online platform where companies can hold and manage board meetings efficiently with security practices in place. It includes modules such as chat, document management,esignature,board evaluation and much more.

This integration has been developed using Python(Django framework)

RestVilla

This is a real estate platform that provides users an easy way to rent the apartment or list their own one as available for staying. Web application provides users an option to pay for selected listings online via integrated payment services. Besides, users can check out the list of previously checked rooms and add the preferred ones to personal bookmarks in order to check/book the apartment later.

This integration has been developed using Python(Django framework)

PATA

This is a web tipping platform for content creators.

This integration has been developed using Python(Django framework)

Technology Skills

Databases	MySQL, PostgreSQL,MongoDB
Prototyping	Figma, Proto.io
Back-End Development	Python, Node.js, PHP, Dart(Flutter)
Frameworks	Django,GraphQL,Express.js,FastAPI,SpringBoot,Flutter, A-Frame,Google App script,XCrud,Fastify Js
Front-End Development	HTML, CSS, Bootstrap,javascript
Performance Testing	Apache JMeter
Issue Management and Bug Tracking	Jira, OpenProject, BackLog
Version Control & CI/CD	GitHub and GitLab, Jenkins

Team Facilitation	Slack ,Skype,Mattermost
Operating Systems	Windows, Linux, Mac OS
Coding Tools	VScode
Cyber Security and Forensics	Red Team and Blue Team tools, Forensic tools.
Other tools	Docker

ACHIEVEMENTS & CERTIFICATES

- Contributor to the XCrud PHP framework.
- Co-Creator of chieni.js a JS-based front-end framework, an extension of an enterprise tabulator framework.
- Google Developer Club(Eldoret) Mentor (10/2020 -05/2021).
- Certified Ethical Hacker(CEH) (02/2018 - Present).
- Artificial Intelligence and Big Data Mastery(IBM) (10/2019 - Present).
- Certified Hacking Forensic Investigator(CHFI) (27/2021-Present).

Professional References

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