

Winter Jackson

Software Developer

CONTACT

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GitHub: <https://github.com/WinterJackson>
Portfolio: <https://winterjackson.vercel.app/>
Country: Kenya.

SUMMARY

A creative, self-driven software developer, with profound skills in analyzing and modifying existing software, as well as developing, designing, and testing new end-user applications that match user needs – all using software programming languages that including Python, React JS, Next JS, and other common libraries and development applications.

TECHNICAL SKILLS

Front-End

- JavaScript, TypeScript
- React JS, Next JS, React Native
- HTML, CSS
- Jest

Back-End & Tools

- Python, Django
- RESTful API Development
- Git

Databases

- PostgreSQL, MySQL
- MongoDB

Cloud & Infrastructure

- AWS Cloud

Personal Projects

- **Yikes YTD:**

This is a YouTube downloader application in which users are capable of downloading single YouTube videos and also created YouTube video playlists.

Project website: <https://winterjackson.github.io/site-yikes-ytd/index.html>

GitHub repo: <https://github.com/WinterJackson/Yikes-YTD>

- **BTS Sizing Tool:**

An application tool useful in solar panel installation for calculating the battery size, number of panels needed, and total power demand in a solar panel plant.

GitHub repo: <https://github.com/WinterJackson/BTS-Sizing-Tool>

EXPERIENCE

Software Developer | Snark Health

April 2024 - Present | Nairobi.

As a dedicated Software Developer here, I have played a pivotal role in enhancing the functionality and user experience of both the Android application and the hospital dashboard web application.

Key Responsibilities:

- Spearheaded the development of a full-fledged hospital dashboard web application using Next.js, TypeScript, and Tailwind CSS.
- Built modular, reusable UI components to improve scalability and maintain design consistency across the dashboard.
- Integrated full CRUD operations for hospitals, departments, and services using Next.js API routes and Prisma ORM.
- Implemented real-time KPI displays and analytics visualizations for bed availability, top-performing doctors, and patient activity.
- Developed robust patient and appointment management interfaces with editable tables, rescheduling functionality, and profile tracking.

Key Accomplishment:

- Successfully developed and deployed the Snark Health dashboard web application using AWS EC2.

Junior Software Developer Intern | Vepo Clear Water Ltd.

Intern | September 2023 - November 2023 | Nairobi

Jr. Software Dev | January 2024 - March 2024

Key Responsibilities:

- Actively participated in designing, developing, and testing a comprehensive sales and production application solution. This involved collaborating closely with senior software engineers and project managers to ensure the application met all specified requirements.
- Worked alongside cross-functional teams to gather detailed project requirements and translate them into precise technical specifications. This ensured that the final product aligned perfectly with business needs and objectives.
- Assisted in implementing new features and functionalities as outlined in the project roadmap. These enhancements were designed to improve user experience.
- Conducted thorough troubleshooting and debugging sessions to identify and resolve issues within the application so as to ensure smooth operation of the system and minimizing downtime.
- Wrote clean, well-documented, and maintainable code adhering to industry-standard coding practices and best practices thus facilitating easier maintenance and scalability of the application.
- Stayed updated on the latest trends and advancements in software development methodologies, ensuring that our solutions remained cutting-edge and competitive in the market.

Data Analyst Intern | Apollo Agriculture

October 2021 - April 2022 | Nairobi

A Nairobi-based tech company helps small-scale farmers increase profits by providing affordable farm inputs, easy access to these inputs, and loans in the form of agricultural supplies.

Key Responsibilities:

- Working closely with colleagues to efficiently manage and maintain detailed records of each farmer's information. This involved ensuring that all data entries were accurate, up-to-date, and organized for easy retrieval and analysis.
- Gathering data from a variety of sources, including customer transactions, credit applications, and agricultural training records. Cleaning and preprocessing this data to ensure its accuracy and reliability for further analysis.
- Preparing and printing comprehensive reports based on the collected data. The reports were used by the management team to analyze trends, assess performance, and make informed decisions.
- Conducted thorough troubleshooting and debugging sessions to identify and resolve issues within the application so as to ensure smooth operation of the system and minimizing downtime.
- Assisted in conducting in-depth analysis of customer feedback and insights to identify areas for product improvement thus enhancing customer engagement strategies, leading to better satisfaction and increased loyalty among farmers.

As an intern, the role allowed me to gain valuable experience in data management, analysis, and collaboration within a dynamic team environment.

Call Center Agent | Credit Analyst | Momentum Credit Ltd.

March 2021 - September 2021 | Nairobi

A microfinance institution founded with purposeful intent to meet an overwhelming market need of providing structured working capital solutions to individuals and small to medium Enterprises.

Key Responsibilities:

- Conducted in-depth analyses of financial statements, including income statements, balance sheets, and cash flow statements, to thoroughly evaluate the financial stability and health of loan applicants.
- Evaluated the eligibility of individuals and businesses applying for loans or credit lines. Reviewing their credit histories, payment records, and credit scores to determine their capacity for repayment and overall risk profile.
- Engaged directly with applicants through phone calls and emails to gather additional information, clarify financial details, and address any questions or concerns they might have had regarding the application process.
- Worked closely with underwriters, loan officers, and other team members to ensure a thorough evaluation of each application and facilitate informed decision-making processes.
- Monitoring existing credit accounts regularly, conducting periodic reviews assessing ongoing credit risks.
- Record keeping and documentation by maintaining records of all credit assessments and decisions, ensuring compliance with regulatory requirements and preparing documentation for potential audits.
- Actively engaged with both potential and current clients by making outbound calls and responding to inbound inquiries. This provided opportunities to offer support, resolve issues, and build strong relationships with clients.

Merchandiser | Brand Ambassador | Swivel Marketing Agency

February 2019 - January 2020 | Nairobi

Swivel Marketing Agency a dynamic company creating engaging brand experiences. As a Merchandiser and Brand Ambassador, I was able to promote brands through strategic marketing initiatives.

Key Responsibilities:

- Brand representation by actively representing the brands being marketed in a positive and professional manner across various marketing strategies and campaigns.
- Event planning and execution by collaborating with the marketing team to plan and execute events aimed at promoting the brands.
- Merchandise management by issuing and keenly tracking all marketing merchandise used during campaigns. This involves maintaining accurate records of inventory levels, ensuring timely replenishment, and preventing stockouts to support ongoing marketing efforts.
- Developed and implemented creative brand awareness strategies designed to increase consumer engagement and drive sales. These strategies included social media campaigns, in-store promotions, and community outreach programs tailored to target audiences.
- Provided comprehensive feedback on the execution of marketing strategies, supported by detailed analysis of resulting product sales. This data-driven approach helped refine future campaigns and improve overall marketing effectiveness.
- Worked closely with cross-functional teams, including sales, marketing, and operations, to ensure alignment on campaign goals and objectives.

Attachment, Supply Chain Mgt. Department | Kenya National Treasury

September 2018 - November 2018 | Nairobi

The National Treasury of the Republic of Kenya is the Kenyan government ministry which formulates financial and economic policies and oversees effective coordination of Government financial operations.

Key Responsibilities:

- Keeping records of inventory in the National Treasury stores.
- Retrieval and issuance of stored items from the stores to the authorized personnel.
- Clearance and collecting of returned items to the stores by the authorized staff.
- Arranging the items in the stores in an orderly manner for easy retrieval and issuance of the items.
- Participating in shortlisting trustworthy suppliers who can be able to supply the government with the required products.
- Participating in approval of applied tenders by trusted suppliers of various items required by the government.
- Receiving and directing walk-in supplier applicants who are willing to supply certain products to the government.
- Receiving and counter-checking products and items supplied to the government by the shortlisted suppliers.

EDUCATION

Software Engineering

Moringa School, Nairobi.

May, 2023 - November, 2023.

Management Information Systems

European Business University, Luxembourg.

September, 2022 - March, 2023.

BSc. Commerce (Procurement & Supply Chain Management)

Kenyatta University, Nairobi.

September, 2016 - July, 2022.

REFERENCES

Nelson Lawrence,

MD, Vepo Clear Water Ltd.

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Deborah Bosire,

HR, Apollo Agriculture.

Phone No.: +254 790 423 489.

Jeremy Omare,

Project Manager and Renewable Energy Professional, **Best Energy.**

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Edwin Lubanga,

CTO, Snark Health.

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PORTFOLIO LINK Below is a link to my Portfolio

Website:

<https://winterjackson.vercel.app/>

Note: Click on it be be redirected to the website.

Kind Regards,