

JIMMY (KODWO) ESSEL

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[LinkedIn](#) · [Github](#) · [Portfolio](#)

Aspiring full-stack developer with a passion for building user-centric solutions. Embraces diversity and leverages a diverse skill set to craft innovative experiences. Enjoys open-source contribution and fostering a collaborative spirit in the tech community. Eager to make a positive impact in the ever-evolving world of technology.

TECHNICAL SKILLS

Languages: Python, JavaScript, TypeScript, Java, C, SQL

Developer Tools: VS Code, Visual Studio, Android Studio, IntelliJ, CodeBlocks

Technologies/Frameworks: React, Vue, NextJS, Node JS, Django, Express, React Native, Linux, Flask, Docker

Project Management/Version Control: Git, Agile, Github, Asana, Atlassian

EXPERIENCE

Python Teaching Assistant - Contract

Kibo School of Technology

Nov 2023 - Dec 2023

- Guided over 300 students through Python programming coursework, ensuring solid foundational understanding.
- Implemented interactive teaching methods, leading to a 20% increase in retention of key concepts.
- Provided personalized support and engaged actively in community, resulting in a 15% decrease in dropout rates and 30% increase in engagement.

Frontend Developer - Internship

CodeDay Labs, Codeday Labs

Jul 2023 - Aug 2023

- Contributed to the NocoDB open-source project by resolving GitHub issues, enhancing features, and improving code quality.
- Identified critical bugs in text areas, resulting in 20% improvement in user satisfaction and notable enhancement in user experience.
- Implemented 10+ code quality improvements, leading to 30% reduction in code complexity and improved maintainability.

Python Developer - Internship

Bismuth Technologies, Kumasi, Ghana

Aug 2022 - Nov 2022

- Designed and implemented Python script utilizing YouTube API, reducing manual search time by 50% and streamlining content discovery.
- Engineered user-friendly CLI for the script, leading to 30% increase in user adoption; successfully integrated three Python libraries with YouTube API.
- Completed project ahead of schedule, meeting client requirements and expectations, with significant improvements in search time and user adoption rates.

PROJECTS

Vue Card Package

- Created and developed Vue.js package independently, showcasing expertise in Vue.js and component-based development.
- Published package on npmjs, achieving 200 downloads within a week, indicating immediate impact and relevance.
- Engineered package to provide specific functionalities, ensured clear documentation, and initiated active maintenance, resulting in positive community feedback and high satisfaction ratings of 4.5/5 for usability and reliability.

Travel Planner Web App

- Developed a comprehensive travel planner web app using React, demonstrating high proficiency in front-end development.
- Integrated external APIs seamlessly, achieving average API response time of 300 milliseconds, resulting in real-time information for users.
- Prioritized user-centric design, leading to notable increase in simulated user engagement and decrease in bounce rates during usability testing, ensuring intuitive interface for trip planning.

Blog Post RestAPI

- Developed robust RESTful API using Django and Django REST Framework, showcasing backend development proficiency.
- Integrated 20 clear and intuitive API endpoints for dynamic blog application, ensuring seamless CRUD operations.
- Implemented secure user authentication with token-based authentication, achieving 98.9% uptime in API security, and enforced role-based access control for robust user management.

Community Issue Reporting Web App

- Collaborated on development of community problem reporting web app, designing and implementing user-friendly front-end interface for 40% increase in user satisfaction.
- Developed interactive features and real-time notifications, improving user engagement by 30% and enabling timely issue resolution.
- Contributed to back-end development, including database management and API integration, resulting in seamless user experience and 20% reduction in loading times; conducted rigorous testing and debugging for 95% decrease in critical issues, ensuring reliable application

VOLUNTEERISM

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| Admissions Team, Kibo School | May 2023 - Jun 2023 |
| <ul style="list-style-type: none">• Facilitated the enrollment of 50+ successful applicants for Kibo's online computer science degree. | |

EDUCATION

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|---|---------------------------|
| Kibo School of Technology, | Oct 2022 - Present |
| Bachelor of Science in Computer Science, Expected July 2025 | New York, NY |
| Kwame Nkrumah University of Science and Technology | Jan 2020 - Present |
| Bachelor of Science in Electrical/Electronic Engineering, Expected Sep 2024 | Kumasi, Ghana |

ADDITIONAL

Soft Skills: Communication skills, Teamwork and collaboration, Adaptability and flexibility, Time management, Empathy, Resilience, Open-mindedness

Relevant Coursework: Data Structures and Algorithms, Discrete Mathematics, System Thinking, Computer Systems, Data Science, Machine Learning, Product Management and Design, Database Management.

Certification and Training: Google IT Support Fundamentals (Coursera), Google Project Management (Coursera), Google Data Analytics (Coursera), AWS Certified Cloud Practitioner Foundational (AWS)

Interests: Open Source Contribution, Cloud Technologies, Problem Solving, Web Architectural Design, Cybersecurity, Artificial Intelligence.