Ben Young Nganda

Nairobi, Kenya

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SUMMARY

I am a software engineer with over 8 years of experience in developing and managing software solutions across various domains, including automotive, web, mobile and computer graphics. My experience includes API management, software development, data pipelines and cloud integrations. I have a proven track record of successfully delivering solutions using technologies such as JavaScript, Node.js, SQL and cloud platforms.

EXPERIENCE

Nile Origin Studios Ltd.   Nairobi, Kenya
Technology Consultant   *January 2022 – Present*

- Spearheaded the development of proprietary tools and APIs to enhance graphics technology and streamline workflows for engines like Unity and Unreal Engine 5.
- Developed data pipelines and analytics solutions to collect and process real-time telemetry data, leading to data-driven optimizations.
- Built custom tooling and services that integrate with existing solutions, providing API-based asset profiling and optimization.

Roam Electric Ltd.   Nairobi, Kenya
Senior Software Engineer   *May 2021 – October 2023*

- Led the architecture design and implementation of the asset management mobile application using Node.js and React Native
- Set up data pipelines to capture and integrate EV telemetry data into the Google Cloud Platform (GCP), utilizing BigQuery for enhanced data analysis and decision-making.
- Collaborated on the development and maintenance of back-end services for EV fleet management, integrating APIs for real-time data synchronization and analysis.

Circle Digital   Nairobi, Kenya
Senior Software Engineer   *August 2017 – December 2020*

- Designed and implemented RESTful APIs for various software products, including e-commerce platforms and online portals, utilizing JavaScript, Node.js and SQL databases.
- Led the development of Angular and Node.js-based clients, drafting technical specifications and API documentation using OpenAPI/Swagger standards.
- Integrated backend services with WebRTC and WebSocket technologies to enable efficient data transfer and communication across platforms.

SKILLS

- **API Development & Management:** OpenAPI, REST APIs, Azure API management
- **Software Development:** JavaScript, Node.js, SQL, TypeScript, React, Angular, Python, R
- **Cloud Platforms & Integrations:** Azure Cloud Platform, Amazon Web Services (AWS), Google Cloud Platform (GCP)
- **Databases:** SQL, NoSQL, Google BigQuery
- **Development Tools:** Git, CI/CD, Google Cloud Build
- **Additional Technologies:** Unity, Unreal Engine, MQTT, WebRTC

EDUCATION

United States International University - Africa   Nairobi, Kenya
Bachelor of Science (B.S.), Information & Computer Science   *May 2012 – September 2016*

CERTIFICATIONS

Certified Scrum Master (CSM)
AWS Certified Solutions Architect

KEY ACCOMPLISHMENTS

- Delivered a high-transaction asset management mobile application for a commercial fleet, built with React Native, optimizing performance and scalability for real-time data synchronization.
- Enhanced the user experience of live systems through structured troubleshooting and timely debugging, improving both stability and ease of use for end users.
- Mentored and on-boarded junior developers, ensuring the adoption of best practices and seamless integration into existing workflows.

VOLUNTEER EXPERIENCE & ACTIVITIES

Lions Sight-first Eye Hospital Loresho – Data entry   *2015 - 2016*

More projects, activities, and writing available at bynmz.github.io