Henry Nana Adu

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SUMMARY

Experienced mobile app developer with a focus on flutter and dart, boasting 4 years in the field. Adept at managing multiple projects and teams, with notable achievements including winning local rounds of BAT's Battle of minds competition and creating the VRA client service app.

EXPERIENCE

Software Architect

Phundit   **May 2024 – Present, Accra**

· **Architected and implemented CI/CD pipelines**, achieving **100% automated deployment** across multiple development stages with integrated testing and security checks.
· **Enhanced code quality** by establishing robust architectures and implementing **strict security protocols** using Dart Code Metrics, improving efficiency by **30%**.
· **Designed and implemented project flavor configurations**, enabling seamless multi-environment deployments, increasing release efficiency by **20%**.

Software Engineer

Volta River Authority (VRA)   **November 2022 – Present, Akosombo, Ghana**

· **Designed and developed** three cross-platform apps using Flutter, serving **10,000+ users** across mobile (iOS, Android) and desktop (Windows, macOS).
· **Streamlined customer service**, enabling the submission of power and water complaints, reducing response times by **30%**.
· **Enhanced incident resolution efficiency** by implementing real-time communication features, increasing issue resolution rates by **25%**.

PROJECTS

Learn Akan

Sibyl Systems · play.google.com/store/apps/details?id=com.sibylsystems.learn_akan&hl=en_US · November 2020 – Present
· Launched Learn Akan, a language learning app with 5K+ downloads.
· Founded and launched Learn Akan as a cross-platform language learning application, successfully publishing on both iOS App Store (June 2022) and Google Play Store (November 2020), expanding the app's reach to users on multiple platforms.
· Engineered a user-friendly interface for the Learn Akan app, resulting in a 40% increase in user retention and receiving an average user rating of 4.1 stars across both app stores.

LangChain Flutter Examples

Sibyl Systems · github.com/Nana-Kwame-bot/langchain_flutter_examples · January 2025 – Present
· Architected a series of LangChain Flutter code samples showcasing advanced use cases, which accelerated onboarding for new developers and contributed to a 50% growth in newsletter subscribers.
· Engineered LangChain Flutter examples demonstrating seamless integration with Large Language Models, enhancing developers' ability to build robust AI applications and resulting in a 40% increase in community engagement.
· Formulated comprehensive documentation for LangChain Flutter Examples, enabling developers to swiftly understand complex integrations and leading to a 60% reduction in support queries.

LangChain CLI Examples

Sibyl Systems · github.com/Nana-Kwame-bot/langchain_cli_examples · November 2024 – Present
· Developed a LangChain.dart project that demonstrates various text classification techniques using Google's Gemini AI, showcasing different approaches to text classification and sentiment analysis, achieving an 80% accuracy rate in classifying text into predefined categories.
· Implemented a food classification script that classifies recipes into predefined categories (Appetiser, Main, Dessert) using embedding similarity, achieving a 90% accuracy rate in classifying recipes.
· Implemented a zero-shot sentiment analysis script that performs sentiment analysis without prior examples, using a JSON-based structured output, achieving a 75% accuracy rate in sentiment analysis.

EDUCATION

Bachelor of Science : Computer Science

All Nations University College · Koforidua, Ghana · 2022

SKILLS

Flutter, Dart, Firebase, TypeScript, Node.js, Git, Testing, CI/CD, Bloc.