

Mark Armah-Kuevi

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PROFILE

Senior Software Engineer experienced in building scalable, high-performance mobile and web applications, specializing in Flutter and full-stack architectures. Proven ability to lead cross-functional teams, mentor developers, and deliver user-centric software across fintech, e-commerce, health-tech, and logistics.

PROFESSIONAL EXPERIENCE

Senior Flutter Engineer

Dec 2021 to Aug 2024

Nacasky Company Limited

- Developed and implemented the Model-View-ViewModel-Controller (MVVM) architecture for an online bus-ticket booking platform, enhancing code maintainability and reducing bug frequency by 30%. Also wrote and refined the payment integration module for seamless transactions across mobile and POS devices.
- Conducted unit and integration testing with Flutter Test and Mockito, increasing test coverage and improving code quality, reducing system errors.
- Integrated native platform functionalities into Flutter apps using Kotlin (Android) and Swift (iOS) via platform channels, enabling access to low-level device features such as Bluetooth, camera access and background services.
- Conducted regular code reviews to maintain high code quality standards. Managed code repositories and projects using Git for effective team collaboration.
- Architected and developed a towing request mobile app with features including service requests, task tracking, driver chat, and payment processing, increasing user satisfaction.
- Created a mobile and POS-based towing registration app for agents to register vehicles, manage subscriptions, process online payments, and print receipts.
- Mentored new mobile developers on software engineering principles, leading to improvement in their coding efficiency and reduction in onboarding time.
- Spearheaded the development of an Employee Management System using Flutter Web and Node.js, implementing core features such as attendance tracking, leave requests, and performance evaluations to streamline HR processes.

Flutter Developer

May 2020 to Nov 2021

ShaQ Express

- Collaborated with the back-end team to develop a multi-vendor e-commerce platform.
- Spearheaded the front-end revamp of a courier delivery app, reducing booking screen load time by 50%.
- Launched pharmacy and wallet modules that enabled subscriptions and in-app purchases, driving a 12% increase in monthly transaction volume.
- Resolved critical performance issues in the e-commerce application by optimizing real-time data updates, leading to a 40% reduction in app load times and enhancing user experience.
- Implemented continuous integration and delivery pipelines using Git and Firebase, reducing deployment time by 60% and improving overall development efficiency.

Mobile Application Developer

Mar 2021 to Present

Freelance

- Led the design and development of a feature-rich real estate application with advanced search filters and geolocation services, push notifications, in-app payments (Stripe), agent-to-client messaging and virtual tours, leading to 40% faster property discovery and better engagement.
- Developed a social media application with real-time direct messaging features (WebSockets), live streaming, and Google/Apple/Facebook Sign-In APIs, leading to a higher account registration rate.
- Delivered a comprehensive Health Management System web application, including appointment scheduling, real-time drug inventory module, streamlining patient and stock management.
- Developed custom native modules when platform-specific functionalities were required, optimizing app behaviour on both Android and iOS platforms.
- Architected apps using Riverpod, GraphQL, and RESTful APIs to ensure modular, performant, and scalable solutions.

Software Developer

July 2019 to Jan 2020

Petamindz

- Collaborated with the UI/UX and backend team to design and develop the UI for a handyman mobile app using Dart and Flutter technologies.
- Implemented front-end frameworks such as React.js to create dynamic and interactive user interfaces.
- Wrote reusable code, resolved UI bugs, and contributed to faster project cycles by supporting mid-level developers.

EDUCATION

MSc Advanced Computer Science

Sept 2023 to Sept 2024

Keele University

BSc Information Technology

Sept 2017 to Aug 2021

BlueCrest College University

PROJECTS

- Developed a mobile application using Dart and Flutter for tracking movies and TV shows, managing the entire project from concept to deployment. Integrated Firebase for secure user authentication and data management, and implemented third-party REST APIs to provide real-time information, including trailers, short videos, and related content. The app received positive feedback for its user-friendly interface and comprehensive content tracking features.
- Developed an application in Java to simulate the behaviour and transactions of autonomous agents within a booking trading simulation scenario. The application featured seller and buyer agents, each capable of handling transactions asynchronously using the contract net protocol. This project showcased my proficiency in Java programming and my ability to design and implement distributed systems for complex trading environments.
- Collaborated in a team environment to develop predictive models and perform data analytics using Python, SQL, and machine learning libraries such as ARIMA, NumPy, scikit-learn, and TensorFlow. As part of one project, we applied the Scrum framework to forecast event registration numbers based on historical data, achieving an 80% accuracy rate through iterative model refinement.

TECHNICAL SKILLS

Languages: Dart, Kotlin, Swift, JavaScript, Python, GraphQL

Frameworks: Flutter, Express.js, React.js

Cloud/Backend: Node.js, Firebase, AWS

Databases: MongoDB, MySQL, Hive, SQLite

State Mgmt: Provider, Riverpod, Flutter Bloc, Auto Route

Testing: Flutter Test, Mockito

CI/CD & DevOps: Git, Codemagic

Deployments: Play Store, App Store

REFERENCES

Available upon request