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Esin Shadrach

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Work Experience

Mobile App Developer   Save Circle (contract)   **July 2024–Present**
Engineering team   Remote, USA

- **Developed** and executed a comprehensive feature set for a mobile app targeting personal finance; achieved a 30% reduction in user onboarding time through streamlined processes, enhancing overall **user satisfaction** and **retention**.
- Using **Flutter** for cross-platform compatibility, ensuring seamless performance on both iOS and Android devices led to a 20% reduction in development time and costs.
- **Collaborated** closely with UX/UI designers to refine the user interface, which improved user satisfaction scores by 25%, as measured by in-app surveys.
- **Automated** the **CI/CD** pipeline with **GitHub Actions** and **Shell scripts**, reducing deployment time by 40% and minimising manual errors, which increased the overall efficiency of the development process.
- **Streamlined user authentication** by integrating **OAuth 2.0** and **Biometric Authentication**, leading to a 25% faster login process and a 50% reduction in account recovery requests.

Mobile App Developer   AfroCharts (contract)   **2024–Present**
Sofware Team   Remote, USA

- **Spearheaded** the full redesign of the AfroCharts mobile app, significantly improving both aesthetics and functionality, resulting in a 30% boost in **user satisfaction** and **engagement**.
- **Modernized the app's UI/UX** using **Flutter** and **Dart**, which resulted in a 40% increase in user engagement and a 30% improvement in app ratings on both the Apple App Store and Google Play.
- **Optimized music streaming performance** by integrating advanced caching techniques and improving backend connectivity with **RESTful APIs**, leading to a 25% reduction in buffering times and smoother playback.
- Introduced personalized playlists and social sharing features, driving a 20% increase in **user interaction** and contributing to higher app **retention rates**

Mobile App Developer   TAA-Connect (contract)   **2023–2024**
Remote

- **Created and maintained** two interconnected mobile apps for TAA-Connect, a logistics platform, including one for riders and another for customers posting packages (last mile app).
- **Integrated Google Maps API** and real-time location tracking, enabling accurate tracking of packages and improving delivery efficiency by 30%.
- **Implemented key features** such as route optimization using Haversine's formula and real-time updates for both riders and customers, which enhanced user satisfaction and reduced delivery times by 20%.
- **Optimized app performance** and stability, leading to a 15% increase in app usage and a noticeable improvement in user retention rates.

Full-Stack Software Engineer   MagicPitch   **Jan 2020 – 2024**
Remote, Dubai

- **Launched and maintained** various projects, including bots, websites, and mobile apps, contributing to the company's diverse tech stack and improving overall product offerings.

Education and Certifications

- **B.Sc. Computer Science,** University of Nsukka.   **2023–2027**
- **B.Sc. Statistics,** University of Nsukka   **2023–2027**

Technologies and Languages

- Languages: Dart, TypeScript, Javascript, Python, Rust, Kotlin
- Technologies: Tailwind, React, NextJS, Flutter, Jetpack compose, SwiftUI
- Other: Arduino, and basic electronics

Projects

- **Error Handling and Monitoring System**
  Developed a comprehensive system using **Flutter** and **React for** error handling similar to Sentry. Integrated app version monitoring to ensure timely updates and enhanced app stability.
- **SVG Viewer for macOS**
  Created an **SVG Viewer** application that allows users to view SVG files and copy them as either **React components** or raw SVG code. This tool simplifies the workflow for developers working with scalable vector graphics on macOS.
- **Flutter Playground**
  Designed and implemented a **Flutter Playground** to showcase innovative and interactive Flutter features. Provides a hands-on environment for developers to explore and experiment with various Flutter functionalities.

Interests

- Exploring and experimenting with electronics and hardware through DIY projects. Enjoy staying updated with the latest tech advancements.
- Fascinated by architectural design and structural analysis. In my free time, I deconstruct buildings into their fundamental components and create detailed technical drawings to understand their design and construction.