FERDINAND EKPO

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FERDINAND'S GITHUB

SOFTWARE ENGINEER || AI ENGINEER

PROFESSIONAL SUMMARY

RESULT-DRIVEN SOFTWARE ENGINEER WITH 5 YEARS + EXPERIENCE, FOCUSED ON ACCELERATING GROWTH, SMOOTH DEVELOPMENT, AND DELIVERING A CONSISTENT USER EXPERIENCE. EXCELS AT BUILDING SCALABLE, PRODUCTION-READY MOBILE AND WEB APPLICATIONS.

WORK EXPERIENCE

SENIOR SOFTWARE ENGINEER (Full-time) 2025 - 2026

MARINA DATA | DUBLIN, IRELAND (REMOTE)

- **RESULTS:** BUILT AND ENHANCED AN AI-POWERED REGULATORY COMPLIANCE PLATFORM FOR MASTERCARD. IMPROVED TASK NAVIGATION AND SEARCH-DRIVEN DOCUMENT FILTERING, REDUCING REVIEW TIME BY ~25% AND CONTRIBUTING TO ONBOARDING 3 ADDITIONAL BANKS INTO THE PILOT PROGRAM.
- USING LANGCHAIN, LLAMAINDEX, AND PYPDF I IMPLEMENTED METADATA FILTERING (E.G., TAGGING CHUNKS BY "EFFECTIVE DATE", "REGION: EU/US", OR "CARD TYPE: DEBIT/CREDIT") SO THE SYSTEM ONLY PULLS POLICIES APPLICABLE TO A SPECIFIC BANK'S PROFILE.

FLUTTER SOFTWARE ENGINEER (part-time) 2024 - 2026

PERIODGAINZ | DUBLIN, IRELAND (REMOTE)

- IMPROVED BUG-FIX TURNAROUND BY ~25%, ENABLING FASTER RELEASES THAT IMPROVED PRODUCT STABILITY AND CONTRIBUTED TO ~5× USER GROWTH, INCLUDING ADOPTION BY ELITE ATHLETES
- IMPLEMENTED A ZERO-HALLUCINATION HEALTH SAFETY SYSTEM BY COUPLING A VECTOR DATABASE (CHROMADB) CONTAINING FDA FOOD ADDITIVE REGISTRIES WITH LLM CONTEXT WINDOWS, REDUCING FALSE NEGATIVES ON ALLERGEN DETECTION.

FLUTTER SOFTWARE ENGINEER (Full-time) 2024 - 2025

BILTAPAY | LAGOS, NIGERIA (REMOTE)

- BUILT A REFERRAL SYSTEM THAT CONTRIBUTED TO ~2× USER GROWTH THROUGH INCENTIVE-DRIVEN ONBOARDING AND REDUCED DEPLOYMENT TIME BY ~50% BY INTRODUCING A FIREBASE APP DISTRIBUTION PIPELINE.
- RAN A LOCAL EMBEDDING MODEL, ALL-MINILM-L6-V2, ENTIRELY ON PYTORCH AND USED THIS TO CONVERT FINANCIAL DOCUMENTS INTO VECTOR NUMBERS, WHICH WERE UPLOADED TO THE VECTOR DATABASE(CHROMADB), DELIVERING HYPER-PERSONALIZED DEBT MANAGEMENT STRATEGIES TO USERS.

FLUTTER SOFTWARE ENGINEER (part-time) 2023 - 2025

TRAVELY | LAGOS, NIGERIA (REMOTE)

- **RESULTS:** IMPROVED SCREEN TRANSITION PERFORMANCE BY ~50%, REDUCED API RESPONSE TIMES BY ~50%, AND STABILIZED MAP RENDERING AT 60 FPS WITH ZERO CRASHES.

FLUTTER SOFTWARE ENGINEER (part-time) 2022 - 2025

RILLFIT | ABUJA, NIGERIA (REMOTE)

- **RESULTS:** REDUCED DEPLOYMENT TIME BY 2× THROUGH CI-READY PIPELINES AND FLUTTER FLAVORS, AND IMPROVED APP STARTUP PERFORMANCE BY 5× USING DART ISOLATES. BUILT RESPONSIVE FLUTTER UI AND SHIPPED SCALABLE PRODUCTION FEATURES.

EDUCATION

BACHELOR OF SCIENCE IN INFORMATION AND TECHNOLOGY- BSC
LINCOLN UNIVERSITY COLLEGE - MALAYSIA
(2023-2025)

ADVANCED DIPLOMA IN SOFTWARE ENGINEERING- ADSE
APTECH - MUMBAI, MAHARASHTRA
(2019-2022)

TECHNICAL SKILLS

FRONTEND & WEB:

- VUE 3, JAVASCRIPT, TYPESCRIPT
- TAILWIND CSS, HTML, CSS, BOOTSTRAP
- REACT.JS, NEXT.JS, THREE.JS
- SWIFT/KOTLIN

BACKEND & CLOUD:

- SUPABASE, FIREBASE
- AWS LAMBDA
- REST API INTEGRATION
- PHP
- NODE JS
- GOLANG
- JAVA
- SQL
- PYTHON
- AWS DYNAMO

MOBILE DEVELOPMENT:

- FLUTTER, DART
- RIVERPOD, PROVIDER, GETX
- ANDROID AND IOS NATIVE INTEGRATIONS.
- PUSH NOTIFICATIONS, BIOMETRIC AUTHENTICATION

TOOLS & PRACTICES:

- GIT, AGILE/SCRUM
- VITEST, ESLINT
- CLEAN ARCHITECTURE
- N8N
- GPT5.5
- SONARQUBE
- GEMINI 3.5
- PINIA
- VUEX
- SENTRY

REFERENCES

AVAILABLE UPON REQUEST