AUGUSTINE COBBOLD

Software Engineer | Mobile & Full-Stack Development

Accra, Ghana · Open to Remote Opportunities | augustine@cobbold.dev | +233 54 295 8451

PROFESSIONAL SUMMARY

Software Engineer with 3.5+ years of experience building and maintaining production software, specialising in native Android development with Kotlin, Java, and Jetpack Compose. Experienced in delivering reliable mobile applications, modernising legacy codebases, implementing offline-first architectures, and optimising media-intensive workflows in production environments.

Beyond mobile engineering, experienced in full-stack development, API integration, database-backed business systems, authentication, workflow automation, and application deployment. Currently leading the development of internal business systems at Basilissa, contributing across application development, backend services, and technical architecture. Focused on building maintainable software that solves real operational problems.

TECHNICAL SKILLS

Programming Languages: Kotlin, Java, TypeScript, JavaScript, PHP, SQL
Mobile Development: Android SDK, Jetpack Compose, XML layouts, MVVM, Coroutines, Flow, Hilt, Room, DataStore, Navigation, CameraX, WorkManager
Web & Backend: React/Next.js, Node.js, REST APIs, JSON, API integration, backend services, responsive interfaces
Databases & Auth: PostgreSQL, Redis, SQLite, AWS Cognito, JWT, role-based access control
Cloud & Infrastructure: Docker, Google Cloud Run, Cloudflare, Proxmox, Coolify, Vercel, Firebase
Engineering Tools: Android Studio, Git, GitHub, GitHub Actions, Postman, Datadog, CI/CD
Additional Experience: Offline-first systems, background processing, data synchronisation, workflow automation, performance optimisation, production debugging, technical planning

PROFESSIONAL EXPERIENCE

IT Specialist / CTO | Basilissa

2026 to Present | Ghana

- Lead the development of internal business systems supporting company operations, including customer feedback and HR assessment workflows.
- Translate business requirements into application features, system designs, database-backed workflows, and implementation plans.
- Work across frontend interfaces, backend services, API integrations, databases, and deployment infrastructure.
- Design workforce-management workflows covering attendance capture, location verification, approvals, exception handling, and integration with existing business systems.
- Evaluate authentication, permissions, hosting, and integration approaches to support maintainable and secure applications.
- Contribute to technical planning, development processes, infrastructure decisions, and the adoption of collaboration tools.

Software Developer (Android) | Purple Wave, Inc. via DevOps Africa

January 2023 to July 2026

- Developed and maintained production Android features using Kotlin, Java, Jetpack Compose, XML, Coroutines, CameraX, and WorkManager.
- Improved media capture reliability and performance for FieldTool, an application used by field operators to capture vehicle and equipment records for auction preparation.
- Optimised media upload and synchronisation workflows supporting more than 200 media files per asset and thousands of uploads per user daily.
- Investigated and resolved memory, stability, and performance issues during large media-capture sessions.
- Maintained and modernised a substantial legacy Android codebase while improving application architecture and user experience.
- Worked on offline-first data capture, local persistence, caching, and reliable synchronisation when connectivity returned.
- Used production diagnostics and telemetry to investigate defects and improve application reliability.
- Contributed to development workflows and automated build and release processes using GitHub Actions.

SELECTED PROJECTS

FieldTool | Production Auction Data-Capture Platform (Professional project)

Production application supporting field inspectors capturing vehicle and equipment records for auction preparation. Contributed to Android development, offline-first data handling, media capture, upload reliability, synchronisation, and performance improvements across demanding field workflows.

Technologies: Kotlin, Java, Jetpack Compose, CameraX, WorkManager, Room, Coroutines, Flow, GitHub Actions

Dev Mock | Android Developer Tool (Personal project · Published) [devmocks.vercel.app]

Designed, developed, published, and maintained an Android application focused on network simulation for developer testing. Owned implementation, testing, releases, and ongoing maintenance.

Technologies: Kotlin, Jetpack Compose, Android SDK

Bernie AI | Android AI Assistant (Personal project · In development)

Developing an Android assistant application with conversational AI capabilities and planned scheduling, notifications, and automation workflows. Worked on application architecture, authentication, session management, API integration, and protected navigation.

Technologies: Kotlin, Jetpack Compose, Hilt, Retrofit, Room, WorkManager, AWS Cognito

EcoCoders | Educational Technology Platform (Independent project)

Working on an educational technology platform focused on environmental learning, with full-stack application development, database architecture, subscription-related functionality, and self-hosted deployment.

Technologies: Next.js, TypeScript, PostgreSQL, Docker, Proxmox, Coolify, Cloudflare

EDUCATION & QUALIFICATIONS

Diploma in Information Technology | Kwame Nkrumah University of Science and Technology (KNUST) 2026 to 2028

Professional Software Development | Codetrain 2021 to 2022

Practical training in software development, mobile application development, APIs, databases, Git, and collaborative engineering workflows.

ADDITIONAL TECHNICAL EXPERIENCE

- **Workflow automation:** Built and explored integrations connecting APIs, messaging platforms, scheduling tools, and automated workflows using n8n.
- **Infrastructure:** Operate a self-hosted development and deployment environment using Proxmox, Docker, Coolify, PostgreSQL, Redis, Cloudflare, and Tailscale.
- **Business systems:** Experience translating operational requirements into internal software for feedback collection, HR workflows, administration, and workforce management.

PROFESSIONAL LINKS

Portfolio: https://augustine.cobbold.dev

GitHub: https://github.com/cobbold0

LinkedIn: https://www.linkedin.com/in/augustinecobbold

Google Play: https://play.google.com/store/apps/developer?id=Cobbold