

George Oti-Adjei

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Professional Summary

Results-driven Mobile and Software Engineer with 3 years in full-stack and mobile development. Skilled in Flutter, React Native, Node.js, Go, C#, and cloud technologies (AWS, Docker, Terraform). Experienced in API development, state management, DevOps, and designing scalable applications. Passionate about performance optimization, automation, and user experience. Seeking a role to apply expertise in mobile, web, and desktop solutions.

Technical Skills

- **Mobile Development:** Flutter, React Native
- **Backend Development:** Node.js (Express), C#, Go, PHP, Python
- **Desktop Development:** Wails (Go)
- **CLI Tools:** Bash, Go, Node.js
- **Cloud & DevOps:** AWS (EC2, S3), Docker, Cloudinary
- **Infrastructure as Code:** Terraform, CI/CD (GitHub Actions, GitLab CI)
- **Database Management:** PostgreSQL, Firebase, MySQL, MongoDB
- **State Management:** Riverpod, Provider
- **Security & Performance:** Authentication, API Security, Server Optimization
- **Tools & Technologies:** Git, Jira, Trello, Figma, REST APIs, GraphQL

Soft Skills

- Attention to detail, verbal communication skills, problem solving skills, organizational skills

Work Experience

Mobile Engineer | Enyata Ghana (Hybrid)

Feb 2024 – Present

- Developed and maintained mobile applications using Flutter and React Native.
 - Implemented state management using Riverpod and local storage solutions.
 - Integrated GraphQL and REST APIs for seamless backend communication.
 - Collaborated with third-party companies for project development.
 - Ensured app performance optimization and security best practices.
- Technologies:** Flutter, React Native, Riverpod, Firebase, GraphQL.

Mobile Engineer | teamAlpha (Remote)

Feb 2022 – Feb 2023

- Developed cross-platform mobile applications for iOS and Android, serving over 8,000 active users.
- Transformed UI/UX design concepts into high-quality, responsive applications.
- Built CLI tools for deployment automation and system monitoring.

- Implemented CI/CD pipelines for automated mobile and backend deployment.

Technologies: Flutter, Provider, Riverpod, Firebase, PostgreSQL, Docker.

Junior Application Developer | Agricultural Development Bank Ghana (ADB) (Accra)

Oct 2021 – Nov 2022

- Developed web applications to streamline internal communication and data sharing.
- Trained personnel on an NIA verification system for bank branches, reducing customer KYC processing time by 30%.
- Optimized server-side performance, reducing query execution time by 40%.
- Provided IT support, troubleshooting hardware/software issues across branches.

Technologies: PHP, Laravel, React.js, SQL.

DevOps & Data Analyst Intern | Npontu Technologies Limited (Accra)

July 2020 – Nov 2020

- Cleaned and processed large-scale tweet datasets, improving data analysis accuracy.
- Streamlined the data cleaning process, increasing productivity by 25%.
- Completed business and entrepreneurship courses, demonstrating a commitment to professional growth.

Education

Kwame Nkrumah University of Science and Technology, Accra

BSc. in Computer Engineering

Relevant coursework: **Software Engineering, Embedded Systems, Communication Systems, Microprocessors, Advanced Electronics.**

Projects & Portfolio

Arkyt : Scaffolder CLI Tool | Personal Project (Feb 2025 – Present)

- Developing a **Command-Line Interface (CLI) tool** to automate the generation of **boilerplate code and project structures** based on selected tech stacks.
- Implemented interactive prompts to allow users to choose project types (**mobile, web, backend**) and select **predefined templates** for efficient setup.
- Integrated support for essential tools like **Shoebird and Fastlane for Flutter**, and Dockerized configurations for backend services.
- Designed the CLI to be **extensible**, allowing new templates and stack configurations to be added easily.
- **Technologies:** Go, Cobra CLI framework, YAML for configuration management.
- **GitHub Repository:** <https://github.com/oti-adjei/arkyt>

PayQuill | Personal Project (Jan 2025 – Present)

- Building a **desktop application** for **automated invoice and receipt generation**.
- Designed **intuitive UI with Wails and Go**, allowing easy customization and export options.
- **Technologies:** Wails, Go, SQLite, React.
- **GitHub Repository:** <https://github.com/oti-adjei/payQuill>

Purple Pay | Enyata (May 2024 – July 2024)

- Developed a fintech application enabling cooperative savings and microloans with the features below:
 - **Thrift Savings:** Users join communities (5-12 members) to pool funds for micro-credit, with contributions from ₦5,000 to ₦500,000. A ₦1,000 fee is charged per withdrawal.
 - **Target Savings:** Users create savings plans with monthly interest for set durations, e.g., 12 months, with a minimum deposit of ₦700,000 (Individual) or ₦1,000,000 (Corporate), and 3% interest.
 - **Micro-credit/Loans:**
 - **Salary Loans:** Borrow up to 60% of monthly income at 10% interest.
 - **Savings Loans:** Subscribers with savings plans can borrow up to 60% of savings at 5% interest.
- **Technologies:** Flutter, REST API (Express), Riverpod, PostgreSQL.
- **Project Link:** <https://purplepay.com>

Airix Mobile App | Enyata (Quebec) (Mar 2024 –May 2024)

- An online health management platform connecting users with healthcare professionals with features:
 - **Account Management:** Log in to your AIRIX account to access your health record.
 - **Medication Management:** View an up-to-date list of medications, upload prescriptions, and order medications.
 - **Request Tracking:** Track the status of medication requests.
 - **Communication:** Live chat and video consultations with healthcare professionals.
 - **Order History:** View current and past orders.
 - **Security:** Biometric authentication for secure access.
- **Technologies:** React Native (Expo), GraphQL, Local Storage.
- **Project Link:** <https://apps.apple.com/ca/app/airix-your-health-made-simple/id1346370082>

Envoyer GH | (May 2024 –Aug 2024)

- A web and mobile application for making and tracking deliveries.
- Role: Team lead, contributing to both backend and frontend with features:
 - **Mobile Implementation:** Building with Flutter, using SharedPreferences for local storage.
 - **Dynamic Search:** Implemented using Provider, enabling users to find items quickly by title.
- **Technologies:** TypeScript (Node.js, Express,React), PostgreSQL,SQL Quest, Flutter.
- **State Management:** Provider.
- **Project Link:** <https://envoyergh.com/>

Leadership & Volunteering Experience

- **Member of Parliament, Campus | KNUST (2020 – 2021)**
- **Vice President | Association of Computer Engineering Students | KNUST (2019 – 2020)**

Additional Information

- **Languages:** English (Fluent), Twi (Fluent)