

## ADESOJI AJIJOLAOLUWA DAVID

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### Professional Summary

Motivated Flutter developer with a solid foundation in cross-platform mobile and desktop app development. Skilled in building offline-first apps, integrating RESTful APIs, and managing local data persistence. Adept in clean UI/UX design and efficient state management. Applying cybersecurity skills from Google's professional certification to build secure, scalable, and maintainable solutions. Eager to contribute to impactful teams.

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### Technical Skills

**Languages:** Dart, Python, PHP, SQL, Bash

**Frameworks & Libraries:** Flutter, GetX, Provider

**Databases:** Firebase (Firestore, Realtime DB), SharedPreferences, SQL (MySQL, SQLite)

**Tools:** Git, GitHub, Android Studio, VS Code, Wireshark, Linux CLI, cron

**Cloud & APIs:** Firebase, Supabase, RESTful APIs

**Platforms:** Android, iOS, Windows, Linux

### Cybersecurity & DevSecOps:

- Vulnerability Assessment, Threat Modeling
- Secure Coding Practices (e.g., input sanitization, token handling)
- Linux Security (user permissions, auditing, logging)
- SQL Injection & XSS Mitigation
- Incident Detection & Response
- Security Automation (Python-based scanning & logging scripts)
- Risk Management Frameworks (based on NIST principles)

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## Key Projects

### 1. YouTube Downloader

#### *Flutter Desktop App*

Designed and built a standalone YouTube video downloader to bypass browser restrictions, enabling direct downloads. Emphasised intuitive UI, robust file handling, and session reliability to outperform browser-based tools.

<https://github.com/Ajee139/Youtube-downloader>

### 2. iMusic

#### *Flutter Mobile App*

Built a music player with timestamp bookmarking, enabling users to mark and jump to favorite moments within a track. Implemented local audio control with smooth, low-latency interaction for a seamless user experience.

<https://github.com/Ajee139/iMusic>

### 3. Note

#### *Flutter Cross-Platform App*

Developed a responsive note-taking app with features for creating, editing, color-coding, and tagging notes. Implemented a dynamic grid layout for optimal UX across devices, with state persistence to maintain continuity between sessions.

<https://github.com/Ajee139/Note> .

### 4. Pocket Tasks

#### *Flutter Cross-Platform App*

Built a lightweight, theme-adaptive task manager supporting task creation, filtering, sorting, and real-time status toggling. Integrated Hive for local persistence, custom theming (light/dark), and smooth animated transitions.

- Supports note-taking, due dates, completion toggling
- Fully tested with unit and widget tests for reliability

<https://github.com/Ajee139/Pocket-Tasks>

## 5. Final Year Project: Multi-Authentication for IoT Using Mutually Orthogonal Latin Squares (MOLS)

*B.Sc. Statistics – Obafemi Awolowo University*

- Designed and implemented a multi-step IoT authentication system using mathematical combinatorics
- Built an OTP generator with Mutually Orthogonal Latin Squares (MOLS) to ensure non-repetition and high entropy
- Applied Resolvable Balanced Incomplete Block Design (RBIBD) for layered, logic-based authentication
- Evaluated system performance with a focus on memory efficiency and randomness
- Developed the system in Python with an emphasis on security and reliability.

## 6. E-commerce App + Admin Panel

*Flutter Cross-Platform App (Admin + User Sides)*

Built a full-stack e-commerce application with separate admin and user interfaces. The admin panel supports real-time product, stock, and order management with Firestore integration and dynamic dashboard stats. The user-facing app handles secure browsing, authentication, checkout, and payment processing.

- Firebase Firestore backend with Provider state management
- Stripe integration
- Secure login, pull-to-refresh, responsive layouts
- Admin access to full order/product history and metrics visualization

<https://github.com/Ajee139/E-Commerce-Application>

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## Education

Bachelor of Science (B.Sc.) in Statistics

*Obafemi Awolowo University, Nigeria*

2019 – 2025

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## **Certifications**

### **Google Cybersecurity Professional Certificate – Coursera (2025)**

Completed all 8 courses in the programme, covering essential cybersecurity domains:

- Foundations of Cybersecurity
- Play It Safe: Manage Security Risks
- Connect and Protect: Networks and Network Security
- Tools of the Trade: Linux and SQL
- Assets, Threats, and Vulnerabilities
- Sound the Alarm: Detection and Response
- Automate Cybersecurity Tasks with Python
- Put It to Work: Prepare for Cybersecurity Jobs

Key Skills Gained:

- Proficient in secure scripting and automation with Python
  - Experienced in risk assessment, threat modeling, and system hardening
  - Skilled in incident detection, response, and remediation strategies
  - Knowledgeable in secure network architecture and authentication protocols
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### **Additional Information**

- Available for remote or Lagos-based opportunities
- Comfortable with GitHub project boards and CI/CD pipelines
- GitHub profile includes functional apps and architecture examples (offline-first, secure-by-design)