**1. Enterprise System Architecture Blueprint**

**Purpose:** To document the structure, behavior, and interactions of various enterprise system components in a development-oriented environment (e.g., health, education, agriculture systems).

**Key Components:**

* **Core Modules:**
  + **User Management** – Access control, identity, and roles (e.g., community health workers, NGOs, local admins)
  + **Data Management** – Collection, validation, aggregation (e.g., farmer surveys, medical data)
  + **Service Delivery Engine** – E.g., alerts for immunization, crop cycle reminders, subsidy disbursement tracking
* **Interfaces:**
  + Web, mobile apps, USSD/SMS gateways for offline/low-bandwidth access
  + APIs for integration with third-party systems (e.g., government registries, donor platforms)
* **Data Flows:**
  + Diagrams showing how data moves from source (e.g., mobile device) → staging → transformation → reporting layer
  + Real-time vs. batch processing logic
* **Tech Stack Layering:**
  + Presentation → Application → Data → Infrastructure
* **Standards & Protocols:**
  + OpenHIE, DHIS2, HL7 (for health), or ODK, KoboToolbox integration