SOFTWARE ENGINEER

Abdulrahman M Muhi

SUMMARY

Results-driven **Software Engineer** with a strong background in designing, developing, and maintaining high-quality software solutions. Experienced in building secure, scalable, and performance-oriented applications for enterprise and government environments. Skilled in software architecture, system integration, problem-solving, and delivering reliable solutions throughout the software development lifecycle. Passionate about learning emerging technologies, optimizing system performance, and collaborating with cross-functional teams to create innovative products that meet business and user needs.

SKILLS

- Programming Languages
- Mobile Development
- Networking & Backend Integration
- Security & Identity
- Enterprise & System Development
- Databases
- Development Tools
- Software Engineering

LANGUAGES

- Arabic | Native
- English

CONTACT INFORMATION

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IQ

https://github.com/rahman-0

EXPERIENCE

GOVERNMENT ASSET INVENTORY MANAGEMENT SYSTEM

GOVERNMENT ORGANIZATION

Government Asset Inventory Management System

- Designed and developed an Android application to support government asset inventory and field inspection operations.
- Implemented barcode and QR code scanning for fast and accurate asset identification.
- Developed asset registration, verification, transfer, and status tracking workflows.
- Built offline-first functionality, allowing field personnel to continue operations without network connectivity and synchronize data automatically once connected.
- Integrated secure RESTful APIs for real-time synchronization with centralized government databases.
- Optimized large-scale data processing and local database performance to ensure smooth operation with thousands of inventory records.
- Implemented role-based access control to restrict application features based on user permissions.
- Enhanced data integrity through validation rules, duplicate detection, and audit logging.
- Collaborated with backend teams and business stakeholders to streamline inventory workflows and improve operational efficiency.
- Delivered a secure, reliable, and scalable solution that significantly reduced manual inventory

ENTERPRISE MOBILE DEVICE MANAGEMENT (MDM) PLATFORM

GOVERNMENT ORGANIZATION

Enterprise Mobile Device Management (MDM) Platform

- Developed and maintained an enterprise-grade Android Mobile Device Management (MDM) solution for managing and securing large fleets of government-owned devices.
- Implemented secure device enrollment and provisioning workflows to automate configuration and policy deployment.
- Designed and developed remote device management features, including command execution, policy updates, and device synchronization.
- Built a real-time telemetry system to collect device health information, including battery status, storage, memory, network connectivity, SIM information, and hardware details.
- Implemented background services for reliable data synchronization while optimizing battery consumption and system performance.
- Integrated secure RESTful APIs and WebSocket communication for real-time monitoring and instant command delivery.
- Developed modular components using Kotlin, MVVM, Clean Architecture, Coroutines, and Flow to improve maintainability and scalability.
- Enhanced application reliability through advanced error handling, logging, and automated recovery mechanisms.
- Collaborated closely with backend engineers to define APIs, optimize synchronization processes, and ensure secure communication between mobile devices and enterprise services.
- Delivered a highly secure and scalable platform designed to support mission-critical government

SECURE GOVERNMENT IDENTITY VERIFICATION SYSTEM

GOVERNMENT ORGANIZATION

Secure Government Identity Verification System

- Designed and developed a secure Android application for government identity verification and digital identity services.
- Implemented NFC communication to securely read data from electronic national identity cards using ISO/IEC 14443 and APDU protocols.
- Developed an MRZ (Machine Readable Zone) scanning module with automatic data extraction and validation.
- Integrated biometric face detection and liveness verification to strengthen identity authentication and reduce impersonation risks.
- Built secure workflows for reading, validating, and processing identity information while complying with strict government security requirements.
- Optimized NFC communication, reducing card reading time and improving reliability across multiple Android devices.
- Designed a modular architecture using Kotlin, MVVM, Clean Architecture, and Jetpack components to ensure maintainability and scalability.
- Integrated RESTful APIs for secure communication with backend identity services.
- Implemented comprehensive error handling, logging, and recovery mechanisms for production environments.
- Collaborated with backend engineers and security teams to deliver reliable, high-performance identity verification solutions.
- Maintained compliance with confidentiality agreements and government information security standards throughout the project lifecycle.

EDUCATION

BACHELOR OF COMPUTER ENGINEERING TECHNOLOGIES

AL-ESRAA UNIVERSITY. BAGHDAD, IRAQ.

BACHELOR OF COMPUTER SCIENCE

UNIVERSITY OF THE PEOPLE. 595 E COLORADO BLVD STE 623, PASADENA, CA 91101.