JOB VACANCY: SOLUTION ARCHITECT – SENIOR STAFF ENGINEER

Location: Cyberjaya

About the Role:

We are looking for a highly skilled Senior Staff Engineer, Solution Architect to lead the end-to-end design and architecture of the MyDigital ID ecosystem, integrating secure authentication, PKI, single sign-on (SSO), biometric verification, CDC (Change Data Capture), and emerging technologies such as blockchain. The Solution Architect will work across development, infrastructure, and security teams to ensure that the digital ID solution is scalable, secure, regulatory-compliant, and built with strong software engineering practices.

Key Responsibilities:

- Architect secure digital identity platforms involving mobile SDKs, backend services, and national data integrations.
- Design and optimize secure authentication flows including biometric, passwordless, and SSO (OIDC, OAuth2, SAML).
- Define and maintain CDC architecture for identity data movement using tools like Debezium/Kafka.
- Drive implementation of blockchain-based verifiable credentials and immutable audit trails.
- Develop and maintain reference implementations and prototypes using Java, Python, C/C++, and modern database systems.
- Collaborate with government agencies and integrators (e.g. JPN, LHDN, JPJ) to define secure and interoperable interfaces.
- Enforce coding best practices, design patterns, secure code review, and DevSecOps standards.
- Oversee system performance, resiliency, and encryption mechanisms across environments.
- Evaluate external vendors, tools, and open-source components through POCs and benchmarking.
- Create and maintain architectural artifacts (HLD, LLD, system diagrams, risk registers)

Requirements:

- Engineering, Information Security, or related technical discipline. Master's Degree or above is advantageous.
- 8+ years in software architecture, enterprise systems, or digital identity platforms.
- Strong hands-on development experience in Java, Python, C/C++, and REST API development.
- Proven background in PKI, authentication protocols, certificate management, and digital signing.
- Experience with database technologies
- Working knowledge of CDC (Debezium, Kafka) and blockchain platforms (e.g., Hyperledger, Ethereum).

How to Apply:

Kindly send your resume to hr@myid.my and shenaz.razak@myid.my with the subject line "Application for SOLUTION ARCHITECT – SENIOR STAFF ENGINEER".