

Job Description

Position:	Head, IT Solution Architecture
Department:	IT Solution Architecture
Reporting to:	Chief Information Technology Officer
Location:	Head Office

I. Duties and Responsibilities

a. Solution Architecture Leadership

- Lead and approve High-Level Solution Designs (HLD) for all IT Projects.
- Define end-to-end system architecture covering application, integration, infrastructure and security layers.
- Ensure all solutions align with approved EA principles.
- Establish standard solution architecture templates and documentation practices.

b. System Integration & API Governance

- Design and govern integration architecture between: Core banking system, Digital channels (MB, IB), Card management system, and Payment gateways and external partners.
- Define API Standards, security mechanism (OAuth2, encryption, tokenization) and integration patterns.
- Ensure reliable, scalable, and secure middleware architecture.

c. Regulatory, Risk & Security Compliance

- Ensure solution designs comply with NBC TCRMG and industry standards.
- Ended secure-by-design, data protection, and disaster recovery considerations in all critical solutions.
- Conduct architecture-level risk assessments prior to project approval.
- Work closely with Risk Management, Compliance and Information Security Team.

d. Technical Governance and Review

- Participate in technical design review sessions.
- Review vendor technical proposals and solution blueprints during RFP evaluation.
- Provide independent technical assessment before system procurement.
- Enforce architecture sign-off before project implementation.

e. Non-Functional Requirement Oversight

- Define and validate performance requirement.
- High availability & redundancy.
- Scalability planning.
- DR & BCP alignment.
- Ensure production readiness standards are met prior to go-live.

f. Stakeholder and Team Leadership

- Lead and mentor Solution Architects and Technical Leads.
- Collaborate with: IT Development, IT Infrastructure, IT Operations, Digital Banking, PMO, and Information Security.
- Provide executive-level technical advisory support to CITO.

g. Continuous Improvement and Innovation

- Identify architecture optimization opportunities.
- Reduce technical debt and redundant systems.
- Evaluate emerging technologies suitable for banking innovation.
- Promote API-First, modular and secure design practices.
- Other tasks assigned by the line manager.

II. Qualification

- Bachelor's degree in Information Technology, Computer Science, Engineering or related fields.
- Master's degree in IT, Technology Management, or equivalents is preferred.
- Relevant professional certifications (Preferred): TOGAF, Cloud Architecture, Banking system and security certification.
- Minimum 10-12 years of IT Experience.
- At least 5 years in Solution Architecture or senior technical leadership role.
- Strong experience in banking systems, including: Core banking, Digital banking platforms, Card management systems, Payment systems integration.
- Experience in leading large-scale system integration projects.
- Experience working in regulated financial institutions.
- Strong knowledge of: System integration architecture, API & middleware platforms, Message queues (Kafka, MQ, etc.), HA, scalability, DR architecture (RTO/RPO design), Microservices and distributed systems, Database architecture, Infrastructure and cloud architecture, Cybersecurity principles in banking, ISO8583 (card, payment message format) and RESTful APIs, Real-time and batch processing, Strong capability in reading and challenging vendor solution designs.