

# JOIN THE MOST AWARDED BANK IN SRI LANKA AI SOLUTION ARCHITECT



With an enduring vision of being the most technologically advanced, innovative and customer friendly financial organization, we, the Most Awarded Bank in Sri Lanka, continue to progress steadily while being the first Sri Lankan bank to be listed amongst the Top 1000 Banks in the World.

Our unparalleled record of success is supported by an unmatched suite of digital offerings and superior standards in service, stability and performance. We are poised to ascend to even greater heights in the near future.

## JOB PROFILE

### Vendor & Legacy Integration Strategy (Primary Focus) :

- Design the integration architecture that connects modern AI models (hosted on GCP / Vertex AI) with the Bank's legacy on-premise systems (Core Banking, LMS).
- Act as the technical gatekeeper for external vendors. Validate their API specifications, security protocols and deployment requirements to ensure they fit the Bank's infrastructure standards.
- Architect the API layers (REST / gRPC / SOAP) and event-driven patterns (message queues) required to feed real-time data to vendor models and return decisions to the bank's front-end apps.

### Industrializing Internal R&D :

- Collaborate with the AI & ML Architect to take successful internal R&D prototypes and refactor them into deployable, production-grade microservices.
- Oversee the containerization of internal tools to ensure they can be managed, patched, and scaled by the IT operations team.
- Manage the operational runtime environment where these integrations live, bridging the gap between the Bank's on-premise data center and the cloud platforms.

### Solution Security & Performance

- Security Compliance : Ensure all AI integrations, specifically those handling sensitive financial data, meet strict banking security standards (encryption, authentication, OIDC / OAuth2).
- Latency Management : Optimize the inference path to ensure that introducing AI into a customer journey does not introduce unacceptable system lag.
- Failover Design : Design fallback mechanisms (circuit breakers) so that if an AI model or Vendor API goes down, the core banking processes continue without disruption.

Successful candidate will be provided with an attractive remuneration package, commensurate with benchmarked financial institutions.

Interested candidates are invited to apply for the position, all applications should be routed through our corporate website.

To apply, please visit,

[www.combank.lk](http://www.combank.lk) > Careers > Open Positions > AI Solution Architect

## APPLICANT'S PROFILE

### Experience & Background :

- Bachelor's degree in Information Technology, Computer Science, Engineering or related field which is recognized by the University Grants Commission.
- 8+ Years Total Experience in Software Architecture or Senior Engineering.
- 4+ Years of experience in AI and/or data related roles.
- Must have a proven track record of system integration in a complex enterprise environment (Banking / Telco / Insurance).
- Experience working with Hybrid Architectures (connecting Cloud services to On-Premise/Legacy systems) is mandatory.

### Technical Competencies :

- Integration Patterns : Expert knowledge of APIs (REST, SOAP), API Gateways (e.g., Apigee, Kong) and Message Brokers (Kafka, RabbitMQ or Pub/Sub).
- Language Stack : Strong proficiency in Java / Spring Boot (standard for banking backends) and Python (standard for AI wrappers).
- Cloud & DevOps : Hands-on experience with cloud platforms, Cloud Run and Kubernetes.
- Vendor Management : Experience technically reviewing and approving 3<sup>rd</sup> party software solutions.

### Mindset & Soft Skills :

- Pragmatic Builder : Understands that the Bank is not a software house. Prefers robust, secure configuration and integration over writing custom code from scratch.
- Diplomacy : Ability to push back on vendors when their technical requirements are unsafe or unrealistic and ability to explain technical constraints to business stakeholders.

 **COMMERCIAL BANK**