



Ministry of Finance and Public Enterprises
Republic of Maldives

Annex A: Terms of Reference

IFMIS ICT Specialist – Platform Engineer
Application Support & Development

(MISSCO Code: 2521, Public Service Rank: 9, Skill Level: 4)

Background

As part of the Government's digital transformation priorities under the Maldives 2.0, the Ministry of Finance and Public Enterprises (Ministry) aims to establish a fully integrated, efficient, and future-ready PFM framework. Accordingly, the Ministry has planned a phased modernization of the public financial management ecosystem, including the development of an Integrated Financial Management Information System (IFMIS) to onboard government agencies nationwide, the introduction of an electronic government procurement system using SAP Ariba, and the upgrade of the Public Accounting System (PAS) to SAP S/4HANA with a coordinated rollout.

In addition to the PAS data, the Ministry relies on data from a wide range of sources, including third-party agencies to support policy analysis, monitoring, and forecasting. As the volume and variety of this data continues to grow, the Ministry aims to strengthen its data management and analytical capabilities by establishing a modern data lakehouse solution to centralize, organize, and process data more effectively.

Objectives

The IFMIS ICT Specialist - Platform Engineer is responsible for building and operating the internal cloud platform that supports both application delivery and data workloads at MoFPE. The role focuses primarily on cloud infrastructure, DevSecOps automation, platform security and provisioning the data platform as required by the Ministry. The successful candidate will help deliver a reliable, secure, and self-service platform for the Integrated Financial Management Information System (IFMIS) that development and analytics teams can build on.

Scope of Work

1. Design and maintain CI/CD (Continuous Integration / Continuous Delivery) pipelines with integrated automated security checks
2. Provision and manage cloud infrastructure using infrastructure-as-code practices.
3. Set up and enforce identity and access management policies based on least-privilege principles across cloud and data resources.
4. Configure network segmentation, encryption (at rest and in transit), and secure connectivity across cloud environments.

5. Manage container orchestration platforms and apply security baselines for containerized workloads.
6. Implement centralized secrets management with regular credential rotation.
7. Set up centralized logging, monitoring, and alerting for infrastructure, security events, data pipelines, and job failures.
8. Apply security hardening across compute, storage, and networking resources.
9. Participate in incident response for infrastructure and security events.
10. Maintain backup and disaster recovery strategies for cloud-hosted workloads and data platforms.
11. Set up and maintain cloud-based data storage and processing infrastructure using infrastructure-as-code.
12. Build and maintain data pipelines (batch and streaming) to move data from source systems into the data platform, based on requirements provided by the Ministry.
13. Configure workflow orchestration for scheduled and event-driven data jobs.
14. Implement basic data quality checks, validation rules, and anomaly alerts across pipelines.
15. Manage cost-efficient use of cloud compute and storage resources.
16. Assist in migrating on-premises or legacy data sources to the cloud data platform when required.
17. Support provisioning and access management for business intelligence and reporting tools consuming the data platform
18. Maintain clear documentation of infrastructure architecture, security controls, operational runbooks, data pipelines, and data dictionaries.
19. Ensure data handling practices comply with relevant data privacy, security, and regulatory requirements.
20. Manage relationships with vendors and service providers under the guidance of the supervisor/HOD.
21. Ensure compliance with applicable laws, regulations, common industry benchmarks and MoFPE policies.

Deliverables

The Specialist is required to prepare an Annual Work Plan (AWP) in consultation with the supervisor / HOD and other relevant departments within 15-days upon signing the contract whereby the deliverables will be assigned and agreed upon.

The AWP will be reviewed every quarter, and an evaluation of the performance will be conducted on a monthly basis based on the agreed tasks under the AWP prior to the finalization of each month's salary.

Required Expertise and Qualifications

1. MQA qualification level 10 Certification; or MQA qualification level 9 Certification with 4 years of relevant experience; or MQA qualification level 8 or 7 Certification in a related academic field with 8 years of relevant experience including hands-on experience in DevSecOps, cloud infrastructure, site reliability, or platform engineering roles.

2. Demonstrated experience building and operating cloud-based environments in a production setting.
3. Experience supporting or working alongside data teams (data scientists, analysts, or data engineers) is an advantage.
4. Prior experience in the public sector or regulated environments (finance, government) will be an added advantage.
5. A relevant Platform Engineering professional certification (like: AWS Certified Solutions Architect – Associate, AWS Certified CloudOps Engineer – Associate, Microsoft Certified: Azure Administrator Associate, Google Cloud Associate Cloud Engineer / Professional Cloud Architect, Certified Kubernetes Administrator (CKA), HashiCorp Certified: Terraform Associate, Databricks Certified Data Engineer Associate (or Professional)).

Related academic fields

Computer Science, Computer and Information Science, Information Science, Information Technology, Information Resource Management, Information Resource Design, Computer and Information System Analysis, Management Information Systems, System Administration, Business IT, Business Computing, Computer Systems, Software Engineering, Systems Engineering, Computer Engineering Technology,