Job Description

Full Stack Software Developer

*(Dedicated Role- Maldives Stock Exchange **or** Maldives Securities Depository)*

Position Title

Full Stack Software Developer

Number of Positions:

02 (Two)

Entity

Maldives Stock Exchange (MSE) **or**
Maldives Securities Depository (MSD)

(One position dedicated to each entity)

Department

Business Technology

Employment Type

Full-time, Permanent (subject to probation and performance evaluation)

Salary:
Negotiable (based on qualification and experience)

Reporting Line

Reports to Head of Business Technology of MSE or MSD
Functional reporting to Executive Management for assigned systems

Role Purpose

The Full Stack Software Developer is responsible for the design, development, maintenance, and secure operation of core software systems supporting the functions of MSE or MSD, as applicable.

The role supports mission critical, regulated market infrastructure systems, including trading, depository, registry, disclosure, registry management, e-voting and participant facing platforms. The position ensures that systems are developed and maintained in line with secure coding standards, system governance requirements, documentation standards, and regulatory expectations applicable to stock exchanges and central securities depositories.

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Each developer is institutionally dedicated to either MSE or MSD to ensure system continuity, accountability, and risk segregation.

Key Responsibilities

1. System Design & Application Development

- Design, develop, test, and maintain full stack applications supporting exchange or depository operations.

- Develop secure, scalable, and maintainable backend and frontend components aligned with approved system architecture.

- Implement enhancements and new modules based on approved business requirements.

- Ensure system performance, reliability, and operational continuity.

2. API Integration & System Connectivity

- Design, implement, and maintain secure APIs and system integrations with:

  o Trading and order management systems

  o Central securities depository systems

  o Clearing and settlement systems

  o Payment platforms, banks, and disclosure systems

- Ensure real-time and batch integrations operate accurately and within defined performance thresholds.

- Implement authentication, access control, logging, and audit trails for all integrations.

- Support version control, upgrades, and backward compatibility of API services.

3. Secure Coding & Technology Risk Controls

- Apply secure coding standards and industry best practices throughout the development lifecycle.

- Address system vulnerabilities through code reviews, testing, and remediation.

- Support implementation of access controls, segregation of duties, and system auditability.

- Assist in technology risk assessments and remediation actions as required by management or auditors.

4. Documentation & Knowledge Management

- Prepare and maintain comprehensive technical documentation, including:

  o System architecture diagrams

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- o API specifications and data mappings

- o Deployment and configuration documentation

- Maintain version controlled source code repositories and documentation.

- Support preparation of user guides and operational documentation in coordination with Operations teams.

5. System Support & Maintenance

- Troubleshoot, debug, and resolve application and system issues.

- Support production releases, patches, and system updates in accordance with change management procedures.

- Provide technical support to internal users and assist in system onboarding and training as required.

- Assist in system monitoring and performance optimisation.

6. Technology Governance & Institutional Support

- Support compliance with internal technology governance policies and procedures.

- Ensure systems and data handling practices align with confidentiality, data protection, and regulatory requirements.

- Coordinate with Head of Business Technology on system roadmap, technical debt management, and continuity planning.

- Support audits, inspections, and regulatory reviews by providing technical explanations and documentation.

Qualifications & Experience

Mandatory

- Minimum 2 years' experience in full stack web application development.

- Strong experience with relational databases and backend development.

- Practical experience in API development and system integration.

Technical Skills (Required)

- Backend: PHP (Laravel framework), Node.js

- Frontend: JavaScript, HTML, CSS

- Database: PostgreSQL or equivalent

- Version control systems (e.g. Git)

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Preferred

- Degree in Software Engineering, Computer Science, or a related field.

- Experience with modern frontend frameworks (e.g. React, Angular).

- Familiarity with Linux-based server environments.

- Experience developing systems for regulated environments or financial services.

Skills & Competencies

- Strong analytical and problem solving skills.

- Ability to write clean, maintainable, and well-documented code.

- Understanding of system reliability, security, and operational risk.

- Ability to work independently with accountability for assigned systems.

- Clear written and verbal communication skills.

- Strong documentation and knowledge-transfer discipline.

Interested applicants please email CV to info@stockexchange.mv by 19th January 2026. For more information, please contact +960 330 7878.

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