

Ministry of Digital Economy
Project Management Unit (PMU)

Job Description

1. **Title: Technical Lead** - 4 vacancies
2. **Introduction:** A Software Development Tech Lead oversees the technical direction of a development team, ensuring best practices in coding, design, and architecture. They collaborate with product managers and stakeholders to define requirements and deliver high-quality solutions. The role involves mentoring developers, reviewing code, and solving complex technical challenges. They also ensure the timely delivery of projects while maintaining team productivity and morale.
3. **Duration:** 2 month service contract
4. **Job Descriptions :**

1.	Technical	Lead	-	Project	Management	Unit
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Position	Technical Lead - Project Management Unit
Location	Ministry of Digital Economy (MoDE)
Reporting to	Head of PMU
Objective	<p>To provide technical leadership and expertise to development teams within the PMU, specifically focusing on:</p> <ul style="list-style-type: none"> ● Managing projects formerly owned by ICTA and new projects identified by the PMU. ● Ensuring code quality and adherence to best practices. ● Defining and guiding the implementation strategy for new software systems. ● Supporting the maintenance of essential common services. ● Facilitating the transition of key initiatives to GovTech.

Key Responsibilities	<p>The candidate shall report to the Head of PMU or the relevant sectoral head during standard office hours and will be responsible for the following tasks:</p> <p>(i) Technical Guidance</p> <ul style="list-style-type: none"> ● Provide technical guidance and mentorship to software development teams. ● Establish and enforce development standards and best practices. ● Ensure alignment of technical strategies with organisational objectives. <p>(ii) Code Review</p> <ul style="list-style-type: none"> ● Conduct code reviews to maintain code quality and consistency. ● Identify and address performance bottlenecks and security vulnerabilities. ● Implement automated code review processes where applicable. <p>(iii) Implementation Strategy</p> <ul style="list-style-type: none"> ● Define and guide the implementation strategy for new software systems. ● Oversee the execution of critical initiatives, including SLUDI (Sri Lanka Unified Digital Identity). ● Ensure seamless integration of new systems with existing infrastructure. <p>(iv) Troubleshooting</p> <ul style="list-style-type: none"> ● Assist in troubleshooting and resolving complex technical issues. ● Act as an escalation point for critical technical problems. ● Develop and implement strategies for quick resolution of system failures. <p>(v) Maintenance of Essential Common Services</p> <ul style="list-style-type: none"> ● Provide technical lead assistance for the maintenance of 10 essential common services. ● Ensure the stability, performance, and security of essential services. ● Guide the team on best practices for maintenance and version control.
Qualifications and Experience	<p>Experience:</p> <ul style="list-style-type: none"> ● Minimum of 5 years of experience in software development. ● At least 3 years of demonstrated experience in a technical leadership role. ● Experience managing large-scale government or enterprise-level projects is preferred. <p>Knowledge:</p> <ul style="list-style-type: none"> ● Deep understanding of software development principles, methodologies, and best practices. ● Broad knowledge of system design, architecture patterns, and integration strategies. ● Familiarity with government digital infrastructure and data security standards is an advantage.
Technical Skills	<ul style="list-style-type: none"> ● Expertise in relevant programming languages (e.g., Java, Python, JavaScript). ● Strong understanding of software architecture and design patterns. ● Experience with code review tools and processes. ● Knowledge of DevOps practices and CI/CD pipelines. ● Experience with cloud platforms (e.g., AWS, Azure, GCP).
Non-Technical Skills	<ul style="list-style-type: none"> ● Excellent communication, leadership, and mentoring skills. ● Ability to work independently and collaboratively with diverse teams. ● Strong analytical and problem-solving skills. ● Adaptability to changing project requirements and priorities.
Educational	<ul style="list-style-type: none"> ● Bachelor's degree in Computer Science, Software Engineering, or a related

Requirements	field.
Certifications (Optional)	<ul style="list-style-type: none"> ● Relevant technical certifications such as: <ul style="list-style-type: none"> ○ AWS Certified Solutions Architect ○ TOGAF ○ Microsoft Certified: Azure Solutions Architect Expert ○ Google Professional Cloud Architect

2. Technical Lead – Maintenance of Essential Common Services

Position	Technical Lead – Maintenance of Essential Common Services
Location	Ministry of Digital Economy (MoDE)
Reporting to	Head of PMU
Objective	<p>To provide technical leadership and support for maintaining and transitioning essential common services, specifically focusing on:</p> <ul style="list-style-type: none"> ● Ensuring the continued operation and maintenance of essential services. ● Providing technical oversight and troubleshooting support. ● Implementing updates, patches, and configurations. ● Facilitating the transition of essential services to a new structure.
Key Responsibilities	<p>The candidate shall report to the Head of PMU or the Software Architect during standard office hours and will be responsible for the following tasks:</p> <p>(i) Technical Support</p> <ul style="list-style-type: none"> ● Provide hands-on technical support for the operation and maintenance of essential services. ● Monitor system performance and availability. ● Recommend improvements to enhance service performance and stability. <p>(ii) Issue Resolution</p> <ul style="list-style-type: none"> ● Lead the troubleshooting and resolution of technical issues. ● Identify root causes and implement permanent fixes to prevent recurrence. ● Collaborate with relevant stakeholders to address complex issues. <p>(iii) Implementation</p> <ul style="list-style-type: none"> ● Implement necessary updates, patches, and configurations. ● Ensure compatibility with existing infrastructure and applications. ● Test updates to confirm successful deployment. <p>(iv) Transition Assistance</p> <ul style="list-style-type: none"> ● Assist with the technical aspects of transitioning the services to the new structure. ● Provide technical documentation and training to support the transition. ● Ensure minimal disruption during the transition process. <p>(v) Maintenance</p> <ul style="list-style-type: none"> ● Ensure the stability, performance, and security of essential services.

	<ul style="list-style-type: none"> ● Maintain version control and change management records. ● Perform regular system health checks and preventive maintenance.
Qualifications and Experience	<p>Experience:</p> <ul style="list-style-type: none"> ● Minimum of 5 years of experience in software development. ● At least 3 years of demonstrated experience in a technical leadership role. ● Solid experience in IT operations and system administration. ● Proven experience in managing and maintaining large-scale IT infrastructure or enterprise applications. <p>Knowledge:</p> <ul style="list-style-type: none"> ● Deep understanding of the systems and technologies used in essential services. ● Familiarity with system monitoring, performance tuning, and troubleshooting.
Technical Skills	<ul style="list-style-type: none"> ● Expertise in relevant technologies used in the essential services. ● Strong understanding of system integration and network protocols. ● Experience with security, backup, and recovery solutions. ● Proficiency in scripting and automation tools.
Non-Technical Skills	<ul style="list-style-type: none"> ● Strong problem-solving skills and analytical thinking. ● Effective communication and interpersonal skills. ● Ability to work independently and collaboratively with cross-functional teams.
Educational Requirements	<ul style="list-style-type: none"> ● Bachelor's degree in Computer Science, Information Technology, or a related field.
Certifications (Optional)	<ul style="list-style-type: none"> ● Relevant technical certifications such as: <ul style="list-style-type: none"> ○ Microsoft Certified: Azure Administrator ○ AWS Certified SysOps Administrator ○ Red Hat Certified Engineer (RHCE) ○ Certified Kubernetes Administrator (CKA)