



Ministry of Digital Economy
Project Management Unit (PMU)

Job Descriptions

1. **Title: Senior Software Engineer** - 6 vacancies
2. **Introduction:** A Senior Software Engineer designs, develops, and maintains complex software systems, ensuring high performance and scalability. They write clean, efficient, and well-documented code and mentor junior engineers. The role involves collaborating with cross-functional teams to implement features and resolve technical issues. They are also responsible for code reviews and optimizing existing systems.
3. **Duration:** 6 months service contract

4. Job Descriptions :

1. Senior Software Engineer – Project Management Unit

Position	Senior Software Engineer – Project Management Unit
Location	Ministry of Digital Economy (MoDE)
Reporting to	Head of PMU
Objective	<p>To provide senior-level software engineering expertise to the PMU for a period of six (06) months, focusing on:</p> <ul style="list-style-type: none">● Designing and developing critical government software systems.● Maintaining and enhancing existing software applications.● Providing technical support to other PMU team members and government organizations.● Handling urgent requests related to government digital systems.
Key Responsibilities	<p>The expected role must cover a range of tasks from basic to advanced, including the management of projects formerly owned by ICTA and new projects identified by the PMU of MoDE.</p> <p>The candidate shall report to the relevant sectoral head or Technical Lead of PMU during standard office hours and will be responsible for the following tasks:</p> <p>(i) Software Development</p> <ul style="list-style-type: none">● Design, develop, test, and implement software solutions for critical initiatives (e.g., SLUDI, PM Tool, ERP).● Develop secure, scalable, and high-performance applications.● Ensure software solutions align with government digital policies and best practices. <p>(ii) Code Maintenance</p> <ul style="list-style-type: none">● Maintain and enhance existing software systems.● Ensure compatibility with updates and changes in the underlying infrastructure.● Refactor code to improve performance and maintainability.

	<p>(iii) Troubleshooting</p> <ul style="list-style-type: none"> ● Identify and resolve software defects and issues. ● Debug complex technical issues and implement long-term solutions. ● Collaborate with internal and external teams to address system failures. <p>(iv) Technical Support</p> <ul style="list-style-type: none"> ● Provide technical support to other PMU team members and government organizations. ● Share technical knowledge and mentor junior developers. ● Ensure timely resolution of technical issues raised by stakeholders. <p>(v) Urgent Requests</p> <ul style="list-style-type: none"> ● Respond to and address urgent requests related to government digital systems. ● Ensure high availability and performance of critical systems. ● Coordinate with cross-functional teams to deliver rapid solutions.
Qualifications and Experience	<p>Experience:</p> <ul style="list-style-type: none"> ● Minimum of 5 years of experience in software development. ● Proven track record of developing and deploying complex applications. ● Experience working in government or enterprise-level projects (desirable). <p>Knowledge:</p> <ul style="list-style-type: none"> ● Strong understanding of software development principles, methodologies, and best practices. ● Familiarity with DevOps practices and CI/CD pipelines.
Technical Skills	<ul style="list-style-type: none"> ● Expertise in relevant programming languages: <ul style="list-style-type: none"> ○ Java, Python, .NET, JavaScript (or equivalent). ● Experience with database technologies: <ul style="list-style-type: none"> ○ SQL Server, MySQL, PostgreSQL. ● Experience with web development frameworks: <ul style="list-style-type: none"> ○ Angular, React, Vue.js (or similar). ● Experience with cloud platforms (desirable): <ul style="list-style-type: none"> ○ AWS, Azure, GCP. ● Experience with version control and code collaboration tools: <ul style="list-style-type: none"> ○ Git, GitHub, GitLab.
Non-Technical Skills	<ul style="list-style-type: none"> ● Strong problem-solving and analytical skills. ● Good communication and teamwork skills. ● Ability to work independently and manage multiple tasks. ● Capacity to handle pressure and work with minimal supervision.
Educational Requirements	<ul style="list-style-type: none"> ● Bachelor's degree in Computer Science, Software Engineering, 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 Developer Associate ○ AWS Certified Developer – Associate ○ Certified Kubernetes Developer (CKD) ○ Oracle Certified Java Programmer