



**Ministry of Digital Economy**  
Project Management Unit (PMU)

**Job Descriptions**

1. **Title: Senior Software Engineer - 5 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:** 2 months service contract

**4. Job Descriptions :**

**1. Senior Software Engineer – Project Management Unit**

<b>Position</b>	Senior Software Engineer – Project Management Unit
<b>Location</b>	Ministry of Digital Economy (MoDE)
<b>Reporting to</b>	Head of PMU
<b>Objective</b>	<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"><li>● Designing and developing critical government software systems.</li><li>● Maintaining and enhancing existing software applications.</li><li>● Providing technical support to other PMU team members and government organizations.</li><li>● Handling urgent requests related to government digital systems.</li></ul>
<b>Key Responsibilities</b>	<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 <b>candidate</b> 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><b>(i) Software Development</b></p> <ul style="list-style-type: none"><li>● Design, develop, test, and implement software solutions for critical initiatives (e.g., SLUDI, PM Tool, ERP).</li><li>● Develop secure, scalable, and high-performance applications.</li><li>● Ensure software solutions align with government digital policies and best practices.</li></ul> <p><b>(ii) Code Maintenance</b></p> <ul style="list-style-type: none"><li>● Maintain and enhance existing software systems.</li><li>● Ensure compatibility with updates and changes in the underlying infrastructure.</li><li>● Refactor code to improve performance and maintainability.</li></ul>

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

