

Job Title	System Administrator Level II – RTGS & PAPSS
Job Level	P - 4
Vacancy:	One (1) position
Contract Type:	Permanent
Department:	Payment Systems Department
Location	Central Bank of Liberia, corner of Ashmun & Lynch Streets, Monrovia, Liberia
Background Information	<p>The Central Bank of Liberia (CBL) seeks a highly skilled System Administrator Level II – RTGS & PAPSS to join the Payment Systems Department. This role is purely technical, requiring expertise in system administration, network security, and high-availability payment systems infrastructure.</p> <p>The selected candidate will be responsible for configuring, monitoring, and maintaining the RTGS and PAPSS platforms to ensure seamless interbank and cross-border transactions.</p> <p>This role demands proficiency in enterprise system administration, real-time transaction processing, and infrastructure security, ensuring the highest level of system availability, reliability, and performance.</p>
Duties & Responsibilities of the Position	<p>Key Functions:</p> <ul style="list-style-type: none"> • Deploy, configure, and maintain RTGS and PAPSS production, test, and disaster recovery environments. • Ensure 24/7 uptime and performance monitoring for RTGS and PAPSS platforms. • Manage operating systems, databases, and application servers that support RTGS and PAPSS. • Implement and maintain backup, failover, and disaster recovery solutions to ensure data integrity and continuity. • Perform system log analysis, debugging, and troubleshooting for performance and security issues. • Automate repetitive tasks using scripting languages (Bash, PowerShell, Python, or similar). • In collaboration with Network Team, support the management of firewall configurations, VPN tunnels, and network security protocols to protect payment system data.

	<ul style="list-style-type: none"> • Apply security patches, OS updates, and RTGS/PAPSS application upgrades to ensure compliance with regulatory standards. • Support the integration of RTGS and PAPSS with SWIFT messaging, core banking systems, and external APIs. • Conduct capacity planning and performance tuning to optimize resource utilization. • Coordinate with telecommunications providers, financial institutions, and regional technical teams for seamless connectivity. • Maintain detailed system documentation including configurations, troubleshooting logs, and security policies. • Support technical audits and security assessments, ensuring compliance with ISO 27001, SWIFT CSP, and PCI-DSS standards.
Minimum Job Qualifications & Experience	<p>Bachelor's degree in Computer Science, Information Technology, or related technical field.</p> <p>Minimum 5 years of experience in Linux/Windows system administration, virtualization, and enterprise IT environments.</p> <p>Advanced knowledge of high-availability systems, load balancing, clustering, and disaster recovery solutions.</p> <p>Experience in database administration (Oracle, PostgreSQL, SQL Server) and query optimization.</p> <p>Proficiency in enterprise automation tools (Ansible, Puppet, Terraform, etc.).</p> <p>Experience working with financial transaction systems (RTGS, PAPSS, SWIFT, ACH, NEPS) is an advantage.</p> <p>Industry certifications such as Red Hat Certified Engineer (RHCE), Microsoft Azure Administrator, VMware VCP, or Cisco CCNP are highly desirable.</p>
Required Competencies & Skills	<p>Enterprise System Administration: Expertise in Linux/Windows servers, virtualization (VMware, Hyper-V), and enterprise cloud solutions.</p> <p>Security & Compliance: Strong understanding of ISO 27001, SWIFT CSP, PCI-DSS, and NIST security frameworks.</p> <p>Network & Application Security: Experience with firewalls, VPNs, encryption, IDS/IPS systems, and secure transaction protocols.</p>

	<p>Performance Monitoring & Optimization: Ability to use Nagios, Zabbix, SolarWinds, or similar monitoring tools to ensure system stability.</p> <p>Automation & Scripting: Proficiency in Python, Bash, PowerShell, or Ansible for automation and system provisioning.</p> <p>Troubleshooting & Incident Response: Ability to diagnose network outages, system crashes, and payment transaction failures under pressure.</p> <p>Technical Documentation & Reporting: Strong ability to maintain technical documentation, compliance reports, and audit logs.</p>
<p>Documents Required</p>	<ul style="list-style-type: none"> • Updated Curriculum Vitae (CV). • Copies of relevant academic and professional certifications. • Cover letter detailing relevant experience and technical expertise. • Three professional references (preferably from the financial or IT sector).
<p>General Application Requirements</p> <p>Both electronic and/or hard copy applications will be considered. Cover letters should be addressed to Mrs. Maway T. Cooper-Harding, Director of Human Resources Management Department, Central Bank of Liberia and sent to cbljobs@cbl.org.lr .</p> <p>The deadline for submission of applications is Tuesday, July 1, 2025.</p>	