2026

PENANGPORT
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CYBERSECURITY ANALYST (INFORMATION TECHNOLOGY)

JOB RESPONSIBILITIES:

- Monitor security alerts, logs, and events using the Security Information and Event Management (SIEM) system.
- Assist in investigating and responding to potential cybersecurity incidents, including malware, phishing, and unauthorized access attempts.
- Conduct routine vulnerability scans and support remediation activities in collaboration with system owners.
- Support implementation of cybersecurity policies, procedures, and standards based on ISMS (ISO 27001:2022) guidelines.
- Compile and prepare the monthly Cybersecurity's related awareness communication (email/poster etc.), Key Risk Indicator (KRI) reports, and provide updates on cybersecurity risk status to PPSB Management and relevant stakeholders.
- Participate in and support annual cybersecurity drill simulations, weekly and monthly cybersecurity-related meetings with internal and external stakeholders, PPC, and relevant authorities.
- Conduct awareness training programs for internal stakeholders, external stakeholders and relevant authorities.
- Maintain documentation of incidents, response actions, and lessons learned.
- Support audits, compliance checks, and risk assessments as required by regulators and international standards.
- Contribute to continuous improvement initiatives in cybersecurity monitoring, response, and reporting

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QUALIFICATIONS, EXPERIENCE & SKILLS:

- Bachelor's degree in computer science or information technology majoring cybersecurity, or a related field.
- Minimum of 3 years of experience in cybersecurity roles, with a focus on network security, threat detection, and incident response.
- Hands-on experience with security tools such as SIEM, IDS/IPS, antivirus software, and penetration testing tools.
- Familiarity with regulatory compliance requirements (e.g., GDPR, HIPAA, PCI DSS) and industry standards (e.g., NIST, ISO/IEC 27001).
- A broad understanding of computer systems, IT infrastructure, operating systems, network, Database and OT.
- Strong understanding of operating systems (e.g., Unix/ Windows/ Linux) and network infrastructure (e.g., TCP/IP, DNS, DHCP).

Kindly send your latest Resume with copy of certificates to:

HUMAN RESOURCES DEPARTMENT (Attn: HR Talent Acquisition)
PENANG PORT SDN BHD (HQ)
LEVEL 5, 5130 TERMINAL PENANG SENTRAL
JALAN BAGAN DALAM
12100 BUTTERWORTH
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or email us at recruitment@penangport.com.my. by/before **14 September 2026**.