



Food and Agriculture Organization of the United Nations

CALL FOR EXPRESSIONS OF INTEREST - VACANCY ANNOUNCEMENT N°: IRC4798

Issued on: 10 October 2017

Deadline For Application: 24 October 2017

JOB TITLE: IT Security Engineer Specialist

TYPE OF CONTRACT: Consultant or PSA.SBS

DUTY STATION: Rome

ORGANIZATIONAL UNIT: INFORMATION TECHNOLOGY DIVISION (CIO)

DURATION: Up to 11 months

FAO seeks gender, geographical and linguistic diversity in its staff and international consultants in order to best serve FAO Members in all regions.

Qualified female applicants and qualified nationals of non-and under-represented member countries are encouraged to apply.

Persons with disabilities are equally encouraged to apply.

All applications will be treated with the strictest confidence.

Organizational Setting

The Information Technology Division (CIO) is responsible for all IT activities within the Organization. The IT Division performs on behalf of the Organization the following critical roles: defining FAO IT policies and providing strategic advice on IT architecture and standards, governance, policy and operational matters while monitoring organizational compliance; defining the mechanisms for managing FAO's information and data; protecting FAO's information assets and ensuring confidentiality, integrity and availability; ensuring provision of IT services that are core for the Organization's global operations and supporting the information and business processes; coordinating organization-wide IT activities in order to reduce duplication and fragmentation and to increase integration of information data, systems and platforms, mobilizing IT resources from across the Organization.

The IT Security Engineer (expert) is located in the IT Security Team of the Information Technology Division (CIO) and it is intended to play an important role in CIO Global Security Operations. CIO global Security Operations is responsible for establishing and leading an enterprise-wide information security and assurance function, ensuring that confidentiality, integrity, and availability requirements of information systems and assets are identified and managed appropriately.

Reporting Lines

The consultant will work under the IT Security team leader to perform analysis, integration and implementation of key security technologies and features including secure architecture design, risk analysis, infrastructure security, and administration of network, firewall, application gateways, reverse proxy, identity management, AD security, encryption, IDS/IPS, VPN, proactive security monitoring, threat modelling and other security-centric technologies. The consultant will also act as the focal point for internal and external security testing.

Technical Focus

Building security capabilities that protect FAO's assets, developing IT Security frameworks, standards, regulatory frameworks, networking, information systems, applications, computing infrastructure, cloud computing, and telecommunications and their overall application to support the work of the Organization and which technologies best serve FAO.

Tasks and responsibilities

- Responsible for day to day IT security operations: infrastructure/application security administration, security monitoring, threat management, and reporting;
- Provide security expertise and guidance to a diverse set of FAO engineering and business teams;
- Conduct security reviews of core corporate and production infrastructure and application
- Drive enterprise focused security improvements to CIO IT products and services
- Design and implement security measures to improve IT products and services security posture and reduce vulnerabilities

CANDIDATES WILL BE ASSESSED AGAINST THE FOLLOWING

Minimum Requirements

- **For Consultants:** Advanced university degree in Computer Science, IT Engineering, IT Security, Professional Software Engineer or closely related discipline.
For PSA: University degree or relevant educational certification in Computer Science, IT Engineering, Professional Software Engineer or closely related discipline.
- **For Consultants:** Working knowledge of English and limited knowledge of one of the following, French, Spanish, Arabic, Chinese, or Russian.
For PSA: Working knowledge of English.
- At least 5 years of relevant experience in the field of IT Security in infrastructure and/or application security, including security by design architecture and advance security assessment;
- Experience and expertise with ethical hacking, firewall and intrusion detection/prevention technologies, secure coding practices and threat modelling;
- Experience with system admin or development experience on a Windows and Unix/Linux operating systems; excellent experience with system hardening;
- Expert level knowledge in designing secure network architectures, virtualization technologies, database platforms, identity and access management principles, application security, encryption technologies, DNS, SOA and web applications;
- Excellent understanding of the Internet protocol suite, e.g. Radius, BOOTP, ARP, IP, ICMP, BGP, OSPF, TCP, UDP, LDAP, DNS, DHCP, SNMP, SMTP, SIP, GRE, Netflow/cflowd and POP3;
- Experience with the following SSL, HTTPS, PGP, DES, SSH, SCP, Kerberos, IPSEC, PKI;
- Experience with security incident response;
- Experience with security test: vulnerability scan and penetration test;
- Hands-on Experience in threat management: IDS/IPS, logging analysis, security monitoring and event management;
- Experience with F5 and/or Juniper, Arcsight and/or Splunk, Acunetix and/or Burpsuite;
- Experience with Nexpose, TippingPoint, web application firewall and end-point behavioural analysis solutions a plus;
- Due to the nature of the work, after office hour standby and work from home is required;
- One or more certification from a recognized organization (CISSP, CISA, CISM, SANS, Security Vendors: Cisco CCIE Security, Checkpoint, Juniper, etc);

FAO Core Competencies

- Results Focus
- Teamwork
- Communication
- Building Effective Relationships
- Knowledge Sharing and Continuous Improvement

Please note that all candidates should adhere to *FAO Values of Commitment to FAO, Respect for All and Integrity and Transparency*.

ADDITIONAL INFORMATION

- All applications will be reviewed and qualified applicants will be contacted for interviews.
- FAO does not charge a fee at any stage of the recruitment process (application, interview meeting, processing).
- Incomplete applications will not be considered. If you need help, or have queries, please contact: iRecruitment@fao.org
- Applications received after the closing date will not be accepted.
- Only language proficiency certificates from UN accredited external providers and/or FAO language official examinations (LPE, ILE, LRT) will be accepted as proof of the level of knowledge of languages indicated in the online applications.
- For other issues, visit the FAO employment website: <http://www.fao.org/employment/home/en/>

HOW TO APPLY

To apply, visit the iRecruitment website at <http://www.fao.org/employment/irecruitment-access/en/> and complete your online profile. Only applications received through iRecruitment will be considered.

Candidates are requested to attach a letter of motivation to the online profile.

Vacancies will be removed from iRecruitment at 23:59 Central European Time (CET) on the deadline for applications date. We encourage applicants to submit the application well before the deadline date.

If you need help, or have queries, please contact: iRecruitment@fao.org

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