



## INFORMATION SECURITY SPECIALIST

---

### **The Opportunity:**

Arifu is looking to hire an Information Security Specialist for a three month engagement to implement and maintain our security systems, effectively protecting our digital assets.

The ISS will be responsible for preventing unauthorized access to our data and responding to privacy breaches. In this role, the ISS should be knowledgeable about security frameworks and systems. The goal will be to ensure that our technology infrastructure is well-protected from both internal and external threats.

### **About Arifu:**

Our product is a smart chatbot making it possible for anyone to access the information and opportunities they need from the organizations they trust over any mobile phone. With Arifu, people seeking to learn can freely chat with Arifu using interactive SMS or smartphone chat apps to master new skills, discover a world of free educational content, and earn rewards from our partners whether or not they have internet or airtime. The Arifu chatbot delivers personalized content designed in-house in close collaboration with our partners such as financial service providers, mobile operators, agribusinesses and NGOs. Our partners use Arifu to engage, train, and capture data on mass markets and hard-to-reach people across their value chains, especially low-income customers and informal retailers and suppliers.

Arifu reached over 1.3m users in 2019 with a rapidly growing active user base. Currently serving over 1,000,000 learners in Africa together with clients such as Mastercard, Safaricom, KCB, and the UN, Arifu has demonstrated results increasing people's income and access to impactful products and services while creating shared value for partners.

### **Job Description:**

Working closely across teams at Arifu, the ISS will:

- Draft security policies and guidelines: Work with CTO & COO to update relevant documentation related to GDPR, Data Access Policies and Information Security Policies.
- Serve as a security expert and conduct training when needed.
- Design and implement safety measures, early warning systems and data recovery plans.
- Analyze IT specifications to assess security risks.
- Analyze existing security systems and make recommendations for changes or improvements.
- Communicate the system status and keep users informed of downtime or changes to the production system.
- Secure networks through firewalls/VPNs, password protection and other systems, including inspect hardware for vulnerable points of access.
- Install, configure and upgrade security software (e.g. antivirus programs) and remote asset management software.
- Upgrade systems regularly to remain secure Arifu's digital assets; provide system updates and write code fixes application level vulnerabilities using security libraries (e.g. Sqreen).



- Monitor network activity to identify issues early, provide early warning of abnormalities or problems and escalate them to CTO.
- Act on privacy breaches and malware threats, in the event that a security breach does occur, prepare reports and action plans to prevent future breaches.
- Organize and conduct tests and “ethical hacks” of the existing security architecture,

### **Basic Qualifications:**

The ISS should have the following:

- BSc/BA in Computer Science, Information Technology or a related field; professional certification (e.g. CompTIA Security+, CISSP, AWS CSS) is a plus.
- Proven experience as a ICS Specialist (5+ years), knowledge of current security risks and protocols (deep working knowledge of AWS security tools).
- Willingness to work through the problem (any time of the day) in the event of a security breach or other emergency, keeping the CTO informed and seeking decision/approvals.
- Ability to work under supervision, as well as the ability to take independent initiative when needed during crisis situations.
- Expertise in patch management, firewalls and intrusion detection/prevention systems (e.g. TippingPoint, AWS IDS/IPS).
- Programming skills in 2 languages will be preferred (e.g. knowledge of Python or Java or C++languages).
- Familiarity with security frameworks (e.g. NIST Cybersecurity framework), public key infrastructure (PKI) and cryptographic protocols (e.g. SSL / TLS).
- An analytical mind with excellent problem-solving ability.
- Outstanding communication, organization and decision-making skills.

### **Application Process:**

Please send your application to [talent@arifu.com](mailto:talent@arifu.com) with “ISS - FirstName Last Name” in the subject (for example “ISS - Jay Owlle”). Your application should consist of the following:

1. Your CV (max two pages in Word format, named using this format: “FirstName LastName - ISS”). Please include references.
2. A cover letter summarizing your work experience and demonstrating suitability for this role (max one page). Your cover letter should indicate your expected monthly remuneration.
3. A portfolio of previous work (if applicable).