

Information Security System Developer

CERT for the European Union Institutions, Bodies and Agencies

2020-08-05

Description of organisation & role

CERT-EU's mission is to act as the cybersecurity information exchange and incident response coordination hub for over 80 constituents spread across the European Union. It is a respected member of the cybersecurity community, working closely with national and governmental CERTs/CSIRTs, other international organisations like NATO and a wide range of industry partners.

The Automation and Development team is currently looking for an Information Security System Developer. The team is composed of software engineers with a primary focus on automating and integrating projects and procedures within the CERT-EU information environment.

Main Responsibilities

The team members work on security platform and engineering projects enhancing the public facing and internal applications at CERT-EU; responding to security vulnerabilities; serving as an advocate for security within development teams.

Essential qualifications, skills and experience

Graduate positions (such as the CA function Group IV) require at least that you have completed university education (of three years).

The successful candidate will demonstrate the following skills and characteristics:

- Advanced skills with Python, Java and JavaScript, including familiarity with developing command-line and server applications with both consuming and providing RESTful services;
- Capable of writing Python for been used in a variety of situations, including as standalone web service applications, analyst scripts and tools, and as plugins in a variety of frameworks;
- 3+ years of experience in software development using any one of the following programming languages or frameworks such as Java, Go, Django;
- Strong technical foundation.

Desirable qualifications, skills and experience

The ideal candidate will possess some, or all, of the following:

- Thorough understanding of Unix and Windows operating systems;
- Experience with web & Application Servers (Apache, Tomcat, nginx);
- Experience with Ejabberd, ELK, Apache Kafka, MinIO;
- Use of database technologies such as MySQL, or SQL-based equivalents, as well as NoSQL-based databases such as ScyllaDB and Mongo;
- Experience with service configuration management, deployment and continuous integration tools (Ansible / SaltSack);
- Experience working with Docker and Kubernetes;
- Application Development, DevOps automation, and the development toolchain (e.g. Rancher, Travis, Jenkins, Junit, automated test tools).