

Security & Software Developer – NORDUnet

NORDUnet (the Nordic research and education network) serves universities in Denmark, Finland, Iceland, Norway and Sweden with high speed internet access and scientists with global high bandwidth capabilities for special research purposes within supercomputing, physics, astronomy, biology and other scientific areas which require a scalable and innovative communication infrastructure. See more on www.nordu.net

NORDUnet has traditionally outsourced its NOC operations. As a consequence of the evolution from basing the network infrastructure on leased capacity to operating its own dark fiber infrastructure NORDUnet and the Swedish NREN SUNET decided in 2006 to in source the operation of the NORDUnet and SUNET networks to a new organization NUNOC operated by NORDUnet.

NUNOC is now well established in Stockholm and Copenhagen with an experienced team of NOC and 2nd level engineers. They support the newest technologies in state-of-the-art optical, switched and IP networks, with a multitude of tools and systems to support.

The position as Security & Software Developer is a new position that allows for an increased focus on security, and support the requirement for services development and support.

The position

NORDUnet is looking for a security expert with experience in IT systems administration as well as software development. As Security & Software Developer you take active part in the day-to-day operations of the NORDUnet and SUNET networks and service portfolios as well as you take part in development of new services.

Your main job responsibilities include.

- Supporting and developing the Nordic NRENs CERT community
- Handling security incident management
- Developing and supporting services for NORDUnet's customer SUNET
- Supporting the operations of the SUNET SWAMID identity federation

There is a close collaboration with and you are part of the NUNOC 2nd level IP team and with a direct report to the NORDUnet NUNOC IP Network Manager.

Your technical skills

The position is demanding in the sense that you touch upon many technologies, and thus your technical skills include experience with the following:

- Software development using python, php, java, c, c++ and perl
- Web application development using django, javascript and css.
- Running services such as
 - LDAP (openldap)
 - relational databases (mysql, postgresql, sqlite)
 - jabber/xmpp
 - mail (postfix and sendmail)
- Networking equipment and operating systems such as
 - Juniper (JunOS)
 - Cisco (IOS)
 - D-Link firewalls
 - Cisco WLAN controllers

- Unix and windows systems administration including knowledge of virtualization
- Incident response management (IRT) including experience with standard CERT processes
- IT-security-related products and technologies such as
 - IDS/IPS (snort)
 - Traffic analysis (eg Argus or Wireshark)
 - Trend analysis
- Penetration testing for major operating systems including scanning and web application testing
- Identity and security technology such as
 - Kerberos
 - Radius
 - OpenID
 - OAuth
 - SAML (Shibboleth, simpleSAMLphp)

It is an advantage that you have some experience from the academic environment, either from your studies or from working at a university or the like. This experience has made you familiar with some of the many academic project groups that work with network and IT development.

Your personal skills

You present yourself as someone who is able to work from project goals and possess a high degree of creativity. To be successful you are able to analyze and solve complex problems, have the ability to perform well in teams and with a developed set of social skills.

To be successful in this position your personal skills include the following:

- Ability/willingness to work in larger projects (could be international), both as a group and individually
- Flexibility – willingness and capability to travel primarily within Nordic and to events worldwide
- Self-motivating and self-driven personality
- Self disciplined
- Idea generator – sees new possibilities and think in alternatives
- Structured problem solving within a service oriented framework
- Holistic approach, combined with the ability to go into details if necessary
- Openness towards other cultures
- Good communication and presentation skills in at least Swedish and English
- Open towards assimilating additional skills both through training courses and working with other skilled NUNOC staff

Location

The NORDUnet NUNOC office in Sweden is placed at Tulegatan in Stockholm.

For more information

For more information about the position please contact Camilla Svendsen from Hudson at +45 70 27 77 33. Hudson is the agency handling the recruitment.

Send your application and resume in English to dk@hudson.dk, and please mark it "20 271". Please note that we expect to finish the recruitment quickly.