JOB OFFER

Created in 2009, **ESSP** is a young and dynamic company, a **pan European service provider**, certified by EASA (the European Union Aviation Safety Agency) to deliver safety-critical services. Our mission is to operate and provide **Communication, Navigation and Surveillance** (CNS) services, among which, the main one is, the **EGNOS service** (the European Geostationary Navigation Overlay Service), on behalf of the EUSPA (the European Agency for Space).

ESSP Corporate Video: *https://www.youtube.com/watch?v=u_FKtcaN8YE*
ESSP Website career: *https://www.essp-sas.eu/human-resources/careers/*

In ESSP we are looking for an:

NETWORK ENGINEER - (F/M)

We are looking for a Network Engineer who will be in charge of technique expertise activities related to supervision, tests and analysis on network EWAN (EGNOS Wide Area Network). Ensure network security events monitoring and analysis and EWAN security activities.

For these activities, we are looking for a **Telecom engineer** with at least 3 to 5 years of experience in Software development, and a very good level of English (minimum B2).

Your main responsibilities/activities will be:
Maintenance of tools used by the network team:

- Ensure the administration tasks of the **Network monitoring processing chain** (Perfewan) and of the **remote sites monitoring processing chain** (Garfunkel): configuration updates, configuration management, user management, incidents investigation…,
- Inventory and document tools used by the Network team for technical investigation and monitoring,
- Interface with the ESSP teams in order to maintain the test platform AIVP (Assembly Integration and Verification Platform) network and to manage hardware and software configurations,
- Execute some of the functional tests on the AIV platform (ex: reproduction of network problems…).

Evolution of the existing tools and the development of new ones:
- Ensure the evolutions of Perfewan and Garfunkel, such as the real-time data processing, the integration of new EGNOS releases, and ensure the development of new tools as well,
- Ensure qualification of those evolutions and new tools: design document updates, production of test procedures reports, schedule and animation of key-points,
- Update the AIVP network for different needs: EGNOS ground segment update, specific technical investigation, requests coming from the Security team.

Network security events supervision:
- Detect and analyse, on a daily basis, security events raised by the network devices,
- Initiate and enrich network security events database to have an exhaustive view of false positives,
- For cases requiring in-depth investigation, open and analyse the "Observation Reports",
- Propose and implement improvements of the Security events processing chain.

Interface with the Operations team for what concerns network security activities:
- Support the production and the maintenance of the different processes and procedures,
- Develop and maintain the tools that allow the automation of some tasks,
- Exchange information required for rolling-out the procedures.

The performance and anomalies analysis related to the network subsystem:
- Detect/Analyse, abnormal event (ex: network interruptions) on EWAN subsystems and provide associated support,
- Participate to the weekly meetings where incidents are discussed with the Telecom provider,
- Provide support for the follow-up of the KPI and participate to the meeting with the Telecom provider,
- Deliver the network events synthesis for monthly reports required by customer,
- Analyse the anomalies detected on the EWAN subsystem or on other subsystems where network issues are suspected, follow-up their correction in line with the anomaly process.

Support Operations:
- Support the Operations team for the scheduling of network maintenances; participate to the weekly "Joint Operations Schedule" reviews.
- Support the ESSP team for the maintenance of EWAN operational procedures,
- Provide help to Operators and Hosting Entities in case of problems when executing procedures.

PROFILE:
- Software development: Python 2 and 3, shell script
- Time series database: InfluxDB
- Data visualisation: Grafana
- ELK stack and configuration management: SVN
- General knowledge of each layer of the OSI model (Open Systems Interconnection)
- General knowledge in network security (IP/port filtering, firewall ASA, Diode, IDS, IPS, SIEM)
- Good knowledge of the following protocols: Ethernet, IP, TCP, UDP, SNMP, FTP
- Knowledge of Switch/Routers/Firewalls Cisco CLI environment (Command Line Interface)
- Network tools: Wireshark, TShark, HP OpenView^
- Rigour and strong autonomy
- Initiative and synthesis spirit
- Capability to assume responsibilities and team player spirit

JOB SPECIFICATIONS:
Available for regular travels mainly in Europe
Subject to constraints of minimum presence during normal vacation periods (July/August, Christmas, February, Easter).
Subject to on-call duty H24 7/7 (week-end and bank holidays included)
Experience of at least 3 years in Software development
Engineering degree (Telecom) or equivalent
Experience in projects in an international context (European)

HUMAN RESOURCES

Recruitment process:
- **1st interview** is held by the direct manager of the position you applied for (technical interview)
- **2nd interview** is held by HR Unit

Remuneration package:
- **Variables**: bonuses based on objectives
- Profit-sharing
- **Teleworking**: up to 2 days/week
- **Tickets Restaurant (card)**
- **Family Health Insurance**
- **Sustainable Mobility Package**: Home/Office travels reimbursement if car shring or bicycling
- Reimbursement of **75% of public transport** subscription

Please send your application file only by e-mail to the following address: **recrut@essp-sas.eu**

Job Location: Toulouse (France)

Type of Contract: Full time / Permanent

ESSP is committed to cultural diversity, gender equality and the employment of disabled workers.