

# Senior Network Engineer

at Extreme Light Infrastructure - Nuclear Physics (ELI-NP) Research Facility

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## *Job Description and Candidate's Profile*

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### Position Description

The Senior Network Engineer's activity consists in providing advanced engineering, operating, and subject matter expertise for the overarching networking infrastructure of ELI-NP. The primary focus areas entail the core wired/wireless network components and their operation, as well as security-related elements (firewall, NAC, etc.) and/or applications. Furthermore, the Network Engineer will provide specialist support for the preparation and/or review of the technical documentation for IT equipment purchases within the ELI-NP IT group.

### Main tasks

- Produce and operate enterprise-level network designs.
- Install, configure and maintain the active network elements (switches, firewalls, wireless access points and controllers, etc.), and auxiliary network-related software/hardware elements according to the operational guidelines of the Institute.
- Root Cause Analysis and Problem Management for the services related to the aforementioned items.
- Serve as an escalation point for complex internal support and troubleshooting cases.
- Perform daily system monitoring, verifying the integrity and availability of all underlying resources, systems and key processes, periodically reviewing system and application logs.
- Create and maintain system documentation for networking technologies, including installation, configuration, and appropriate troubleshooting steps.
- Provide knowledge transfer to colleagues as required
- Effectively collaborate with cross-departmental teams and provide SME guidance/feedback.
- Be involved in providing advanced technical support for the infrastructure services (compute, storage, etc.) offered by the ELI-NP IT group;

## Requirements for filling the position

- ✓ Higher education graduate with an engineering diploma, preferably in a computer-science related major;
- ✓ Minimum 5 years overall IT experience with 3-5 years of experience working with switching, routing, firewalling, remote (VPN) and wireless network access technologies and design patterns.
- ✓ Solid network architecture knowledge and a thorough understanding of the network design implications for other IT infrastructure elements (virtualization, storage).
- ✓ Entry-level vendor certifications (CCNA level or equivalent) that apply to the aforementioned technologies and/or products (preferably CISCO and Fortinet, or from other major vendors). Higher level (CCNP or equivalent) certifications are considered a plus.
- ✓ Security-related certifications are considered a plus.
- ✓ Up-to-date knowledge of and practical experience with industry best practices, both networking- and cybersecurity-oriented.
- ✓ Experience in interacting with vendors and solutions/technology providers.
- ✓ Good interpersonal skills, a strong team spirit and a result-oriented attitude, as well as a capability to deliver when working under tight deadlines.
- ✓ Ability to establish new standards for quality, performance or productivity.
- ✓ Fluent in English.

## Conditions of employment

- ★ Full time position, based in Bucharest - Măgurele, Romania, for one year with the possibility of extension;
- ★ Member of an ambitious, dynamic and result-oriented team operating in a friendly international working environment;
- ★ Rare opportunity to further your career in a modern IT environment that supports a world-leading scientific project;
- ★ Chance to take on IT challenges that go beyond the 'usual' office/enterprise environment by crossing into high performance / high throughput computing;
- ★ Motivating package (salary, trainings, etc.) according to your qualifications and (practical) experience.

## Applications

- ✓ Applications shall be accompanied by the documents requested in the Rules of Selection for this position.
- ✓ Applications shall be sent to the Human Resources Department at [human.resources@eli-np.ro](mailto:human.resources@eli-np.ro).