Cyber Security Intern

Experience level : Stage ou apprentissage
Entity : Bank Syz
Office : Geneva

Join our Cyber Security team and gain hands-on experience in a regulated banking environment while supporting day-to-day security activities.

Working alongside experienced security professionals, you will contribute to monitoring, cloud security controls, vulnerability follow-up and governance activities.

This internship is designed for a curious and motivated Bachelor's or Master's graduate ready to start a career in cyber security and build practical skills in a dynamic banking environment.

At Syz, you will work in a collaborative, entrepreneurial culture with direct access to senior leaders, room to share ideas and opportunities to make a real impact.

Key responsibilities

Security Operations & Monitoring (1st Line support – supervised)

- Support daily monitoring of security alerts and controls under guidance of senior team members.
- Assist with initial review and classification of security alerts and events.
- Perform routine checks on selected security controls (e.g. email protection, identity security dashboards).

Microsoft Cloud & Identity Security

- Assist in monitoring security configurations within Microsoft 365 and Entra ID (Azure AD).
- Support reviews of identity protection measures such as MFA and conditional access.
- Contribute to documentation and reporting of cloud security posture against internal baselines.

Vulnerability & Patch Management Support

- Assist in the coordination and follow-up of vulnerability scans.
- Help track remediation actions with IT teams and update status dashboards.
- Participate in patch management follow-up for critical systems (tracking and reporting only).

Incident Response Support (learning role)

- Participate in incident response activities alongside senior cyber security staff.
- Help document incidents, actions taken, and lessons learned.
- Support preparation of incident reports and internal communications when required.

Access Control & Governance Support

- Assist in periodic access reviews for systems and cloud platforms

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- Support onboarding and offboarding access verification activities.
- Help validate basic segregation of duties and least-privilege principles.

Security Governance & Documentation

- Contribute to maintaining security documentation, procedures, and operational checklists.
- Support preparation of security metrics and reports for internal stakeholders.
- Participate in continuous improvement initiatives and security projects.

Your profile

- Basic understanding of information security concepts (phishing, malware, access control, vulnerabilities).
- Initial exposure to:
  - Microsoft 365 / Entra ID (Azure AD)
  - Endpoint or email security concepts
  - Cloud or identity security fundamentals
  - Interest in security monitoring, incident response, and governance.

Personal competencies:

- Strong willingness to learn and develop practical cyber security skills.
- Analytical mindset with attention to detail.
- Good written and verbal communication skills.
- Ability to work methodically and follow procedures.
- Professional discretion and respect for confidentiality.
- Team-oriented with a proactive attitude.

Language requirements:

- Excellent verbal and written command in French and English

Education:

- Recently graduated with a Bachelor's degree or Master's degree in:
  - Cyber Security
  - Computer Science
  - Information Systems
  - or a closely related field

Specific requirements:

- **Mandatory Swiss residency** (since at least 12 months)