

SIHAM AISSAOUI

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— WORK EXPERIENCE

Scalingo

(Remote) Strasbourg, France

Cloud Security Engineer, Infosec team, Full time

Nov 2023 - Present

- ◆ Lead the shift left project to integrate DevSecOps tools early on the development lifecycle:
 - Write project specifications to define the project scope and goals. Collect requirements from other teams. Elaborate roadmap and milestones. Define the RACI matrix.
 - Benchmark market tools to find the best fit for the company's needs and SecNumCloud requirements.
 - Integrate tools in the CI/CD pipeline to scan the software components and assets on each commit.
 - Assist developers in fixing the security issues and adopting the tools.
- ◆ Create and manage the security champions program to improve security processes and culture:
 - Organize and animate weekly meetings to discuss security topics, monitor progress and share knowledge.
 - Revamp security review templates and procedures to be more developer-friendly and self-explanatory.
 - Document code best practices to be shared with the engineering team.
 - Create a suggestion box to collect feedback and ideas from engineers.
- ◆ Develop and adapt an internal tool to reference the company's laptops and audit their compliance on several scopes:
 - Develop custom plugins on an open-source tool ([Lynis](#)) to monitor installed softwares (browser extensions, IDE extensions, Linux/macOS apps and repositories).
 - Develop and deploy an automated audit script on new and existing laptops using our MDMs.
 - Develop a custom dashboard to display the compliance status with fine-grained authorization levels and security KPIs.

[Learn more about Laptop Compliance on this article.](#)
- ◆ Contribute to ISO 27001 and Health Data Hosting (HDS) qualifications renewal by maintaining internal security tools, writing procedures and performing controls.
- ◆ Handle security tickets on company's internal services and infrastructure.
- ◆ Manage InfoSec's sprints by specifying user stories with estimations and prioritization. Create and prepare sprint documentation and write external communication within the company.
- ◆ Join the internal IT team to support the company's growth and handle new softwares requests.

Cloud Security Engineer, Infosec team, Apprenticeship

Sept 2021 - Oct 2023

- ◆ Develop a homemade tool (Asgard) to reference the company's software components and audit their security on several scopes:
 - Write project specifications to define the project scope and goals. Collect requirements from other teams.
 - Define configuration standards (branch protection rules, dependency scanning configuration, staging/production branches drifts).
 - Develop a CLI to display the software components and their security status.

[Learn more about Asgard on this article.](#)
- ◆ Contribute to ISO 27001 and Health Data Hosting (HDS) qualifications gaining by undertaking various missions.
- ◆ Conduct security reviews and risk analysis on source code changes.
- ◆ Support the engineering and product teams to achieve a shift left policy.

— SKILLS

Languages: `Go` `Ruby` `Typescript` `C` `Python` `SQL` `Bash`

Frameworks: `Ruby On Rails` `Express` `NestJS` `Next.js`

DevOps: `Docker` `Git` `CI/CD` `Kubernetes` `Ansible`

Other: `Microservices` `OWASP` `Linux` `Rest API` `gRPC` `Agile` `EBIOS`

— EDUCATION

Master of Science, Software Engineering

ETNA, Paris, France

2021 - 2023

Bachelor of Computer Science

University of Strasbourg, Strasbourg, France

2018 - 2021