

INTERNSHIP PROPOSAL

“INFRASTRUCTURE AS A CODE”

*Are you looking for a challenging internship in Cyber Security?
Approach is the place to apply.*

About us

Approach is a specialised cyber-security company providing services to business and public customers. We offer services and solutions covering many aspects of cyber-security, from governance and strategy to technical assessments, penetration testing and cyber emergency responses. Because we have our own software factory, we are uniquely positioned to develop highly secure solutions for our clients.

Our company has two locations. Our headquarters are located in the New Tech area of the Axis Parc close to Louvain-la-Neuve and we have a second office in Antwerp.

Founded in 2001 by a number of serial entrepreneurs from the FinTech industry, Approach was soon acknowledged as a trusted partner by its customers and the cyber-security community as a whole.

Our people & practices

Our team is composed of more than 60 certified professionals. We are continuously investing in our talents and developing the skills of our people. We use the best technologies available so that we can be even more effective.

At Approach, our employees contribute to one or several “Practices”: Governance, Risk & Compliance (GRC), Cyber-Security and Secure Delivery. These three practices are supported by an IT department that provides them IT tools and solutions.

We are always hiring new colleagues to sustain our double-digit growth.

Job description

Approach is operating numerous servers, hosted on Azure, to support its different activities. Currently, their configuration and management are done in a traditional way. The purpose of this internship is to evaluate the automation of the servers’ configuration and management and base them on scripting. This evaluation will be done through the setup of a POC (Proof of Concept).

Your main tasks will be:

- Get to know the Approach technical environment and the server infrastructure;
- Get acquainted with Microsoft Azure technologies;
- Gather, from the IT department, the requirements for server configuration automation;

- Get acquainted with Microsoft DSC technology (Desired State Configuration) that should be used to script the server's creation and configuration;
- Configure the DevOps flow to manage the server configurations (create a BitBucket repository, create sample templates, push them on Bitbucket);
- Implement a POC by migrating some selected existing servers to a code configuration, deploying them and ensuring they are running smoothly;
- Explore how keys and secret can be securely managed in the scripts;
- Ensure the security of this news architecture (on confidentiality, integrity, availability, auditability and monitorability levels);
- Draw conclusions in a report about the outcomes of this POC;
- Present the conclusions to the IT department and transfer the know-how.

Requirements

- You're following a program in the field of applied IT, Computer Sciences or Cyber Security.
- You have a keen interest in Information Technology.
- You have fair knowledge of Linux and Windows administration.
- You have fair knowledge of PowerShell scripting and Bash (or any other Linux) scripting.
- You have fair knowledge in versioning tools.
- You have fair knowledge in networking.
- You have a certain affinity with IT security;
- You are able to gather requirements and understand people's need.
- You have good redaction and presentation skills.
- You are dynamical, autonomous and rigorous.
- You want to learn and invest yourself to make your internship a real capital gain for your future professional career.

Our offering

We offer you an enriching and custom-made internship where you really can play an active role and have autonomy in your tasks.

The internship will take place in our main office near Louvain-la-Neuve and will have an ideal duration of 10 to 12 weeks (not specifically contiguous – breaks are allowed), during autumn 2019 or beginning 2020.

Interested? Please send your CV and motivation letter to jobs@approach.be.