

Cymulate- Full Stack Engineer

Phishing task:

"Cymulate's Phishing Awareness vector helps you assess your employees' awareness to socially engineered attack campaigns.

Cymulate's Phishing Awareness vector is designed to evaluate your employees' security awareness. It simulates phishing campaigns and detects weak links in your organization. Since it is designed to reduce the risk of spear-phishing, ransomware or CEO fraud, the solution can help you to avoid data breaches, minimize malware-related downtime and save money on incident response."

Build a web application that evaluate your employees' security awareness for your organization. As part of this task, the app should expose an API that will send phishing emails to a recipient. This API will be used by your organization's security team in order to assess your employees' awareness to socially engineered attack campaigns. Please follow the below instructions:

- Build a login page for your Security organization team for accessing your application admin console (use best practice authentication methodologies).
- Build a Phishing emails status page that will list all emails that were sent and display for each: employee email, email content, Phishing status.
- Expose APIs that will be used by the Client.
- Expose an API that will get an email to test, This API should send a phishing content to the email with phishing URL within the content. Your app should manage the Phishing request status(i.e if user open the link and was exposed to Phishing attack) for each request.
- BONUS: create an additional server that will be responsible for sending emails. The server should expose an API that will get the email content and will send it to the recipient. The server should be protected by any authentication method you think is appropriate. The server in step 4, should use this server in order to send emails.

This assignment involves:

- Implementing a rudimentary login process
- Use NodeJS as a Backend and any JS lib for the Client.
- You may use any 3rd party library / external API.

Notes:

- Please make sure that your code is working as expected
- Please provide an efficient solution
- Assume you work with a lot of data, so the performance matters.