

HACKTUES 9 PRESENTATION BY 4090

# PhishMe

The future of phishing attack simulation and prevention

# Discussion points

- Problem & Statistics
- Functional description
- Technical description
- PhishMe as a data security solution
- Our team
- Demo

# Statistics & Core problem

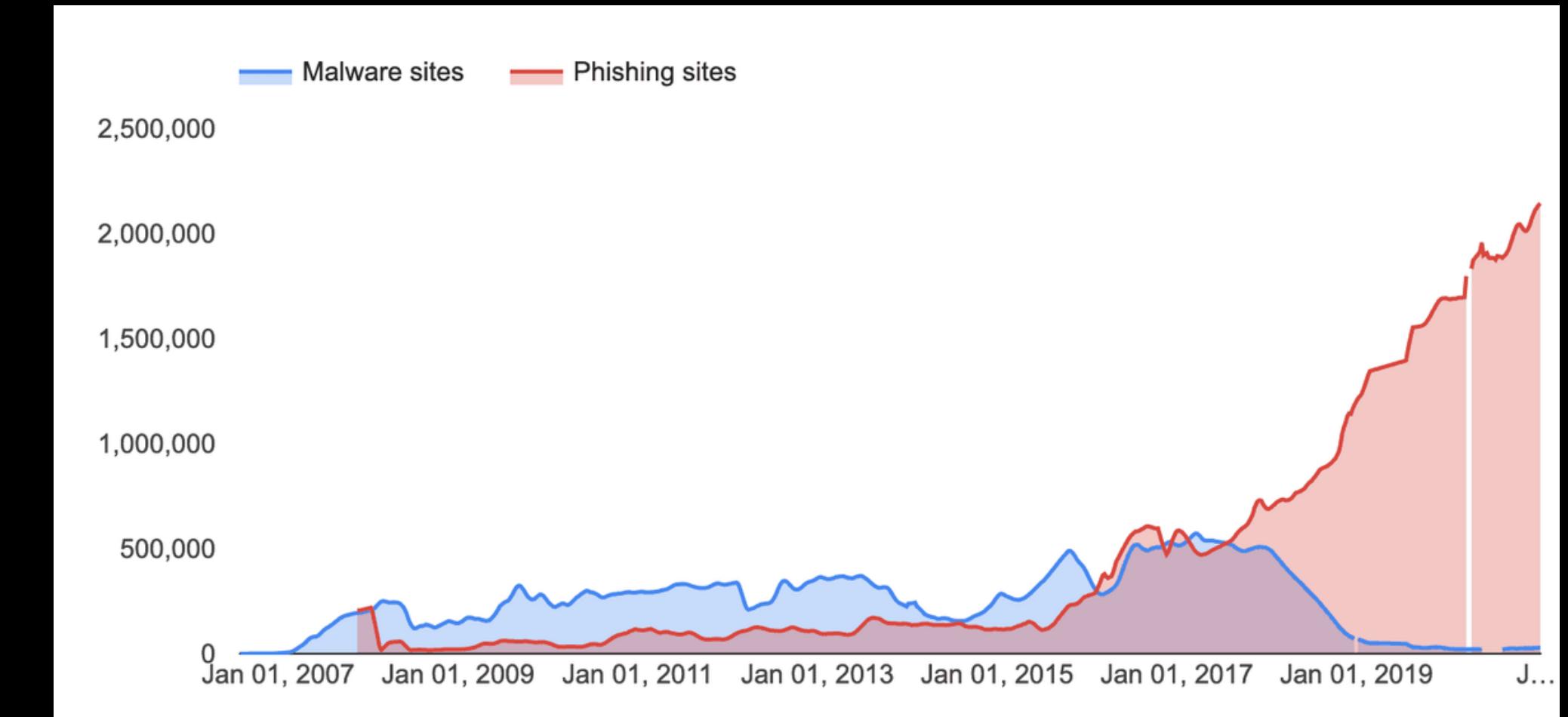


Chart provided by Google Safe Browsing

## Dive Brief:

- The financial impact of phishing attacks quadrupled over the past six years, with the average cost rising to \$14.8 million per year for U.S. companies in 2021, compared with \$3.8 million in 2015, according to a study from the [Ponemon Institute](#) on behalf of [Proofpoint](#) released Tuesday. Researchers surveyed 591 IT and IT security professionals.

# Functional description

## **1. Phishing attack system**

For use inside organizations

## **2. Uses NLP to impersonate and continue past correspondence**

## **3. Uses a web app duplicator for falsifying data forms**

## **4. Presents results for analysis and planning of preventative education**

# Our team



Данаил



Искрен



Калоян



Лъчо



Християн



**Trello** Workspaces Recent Starred Templates Create

Search

Trello workspace Free

Boards Members Workspace settings

Workspace views Table Calendar

Your boards HackTUES 9 Show more 4

HackTUES 9 ★ Workspace visible Board

To Do

- [BE] Add reply function
- [BE] Docker init
- [BE] Add to the AI prompt to copy spelling mistakes
- [BE] Add subject to the email
- [BE] Expose attack endpoint to generate and send phishing email
- [BE] Add sender email field to attack create event
- [PRESENTATION] Script
- [BE] Hit endpoint on clicked phising site (Statistics) & Expose endpoint for get
- [BE] Serve static scrapped website
- [Scraping][BE] Watch if credentials are send in the phishing site
- [GITHUB] Add Readme
- [SCRAPER] Integrate with backend

Working on It

- [BE] Add unique token to the fakeurl in the email
- [FE] Add Provider for Meta Information: Loading and Errors
- [FE] Refactor Style for Dashboard with Hriso
- [FE] Add About Page
- [PRESENTATION] Choose theme

It's done

- [BE] Fix relationship not present on atk
- [BE] Normalize field names in email service
- [BE][FIX] Email do not have new lines
- [FE] Refactor folder structure
- [BE] Add organization's module logic
- [BE] Add authentication
- [FE] separate router from App.js
- [PRESENTATION] Flowchart of software
- [BE] Connect services together so everything triggers on atk init

+ Add another list

Power-Ups Automation Filter Share

Try Premium free

The image shows a Trello board titled "HackTUES 9". The board is organized into three columns: "To Do", "Working on It", and "It's done".

- To Do:**
  - [BE] Add reply function
  - [BE] Docker init
  - [BE] Add to the AI prompt to copy spelling mistakes
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  - [PRESENTATION] Choose theme
- It's done:**
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  - [BE] Add authentication
  - [FE] separate router from App.js
  - [PRESENTATION] Flowchart of software
  - [BE] Connect services together so everything triggers on atk init

A sidebar on the left provides navigation for the workspace, including "Boards", "Members", "Workspace settings", "Workspace views", "Table", "Calendar", and a list of "Your boards" which includes "HackTUES 9".

Sup Iskren,

Hope you are doing great! Just wanted to drop you a line to check in with you and to let you know about something pretty exciting. I just found out about this website called [gotomarsforfree.ru](http://gotomarsforfree.ru), and it looks like they are giving out free trips to Mars! I mean, how cool would it be to explore the Red Planet? Plus, who knows what kind of awesome discoveries we could make!

Anyway, I just thought I'd let you know about this great opportunity, and I'd really appreciate if you checked it out. No pressure, but I think it could be pretty amazing if you gave it a shot.

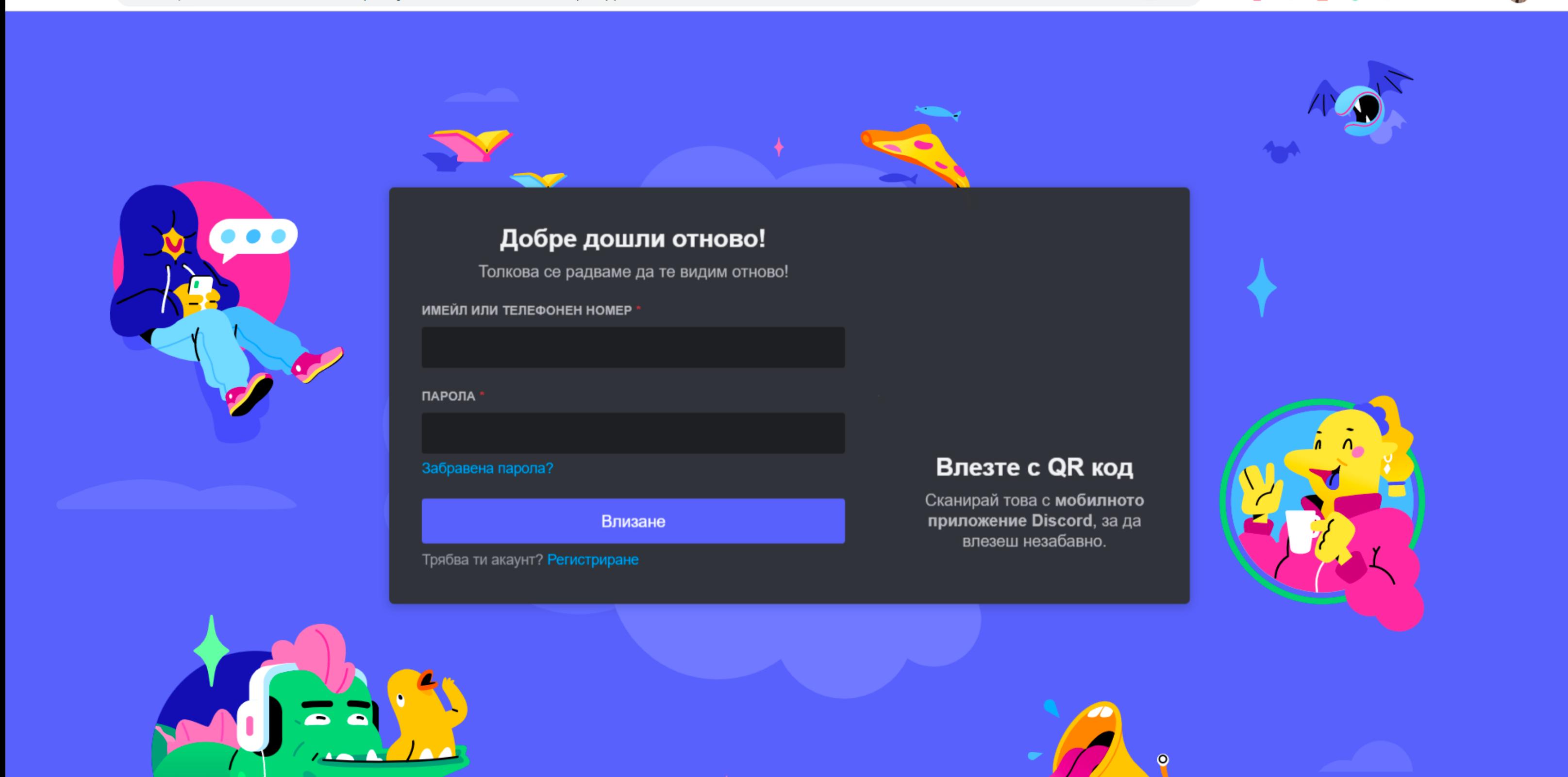
Take care and talk to you soon!

Lucho

← Отговор

→ Препращане

Sample Email generated by PhishMe



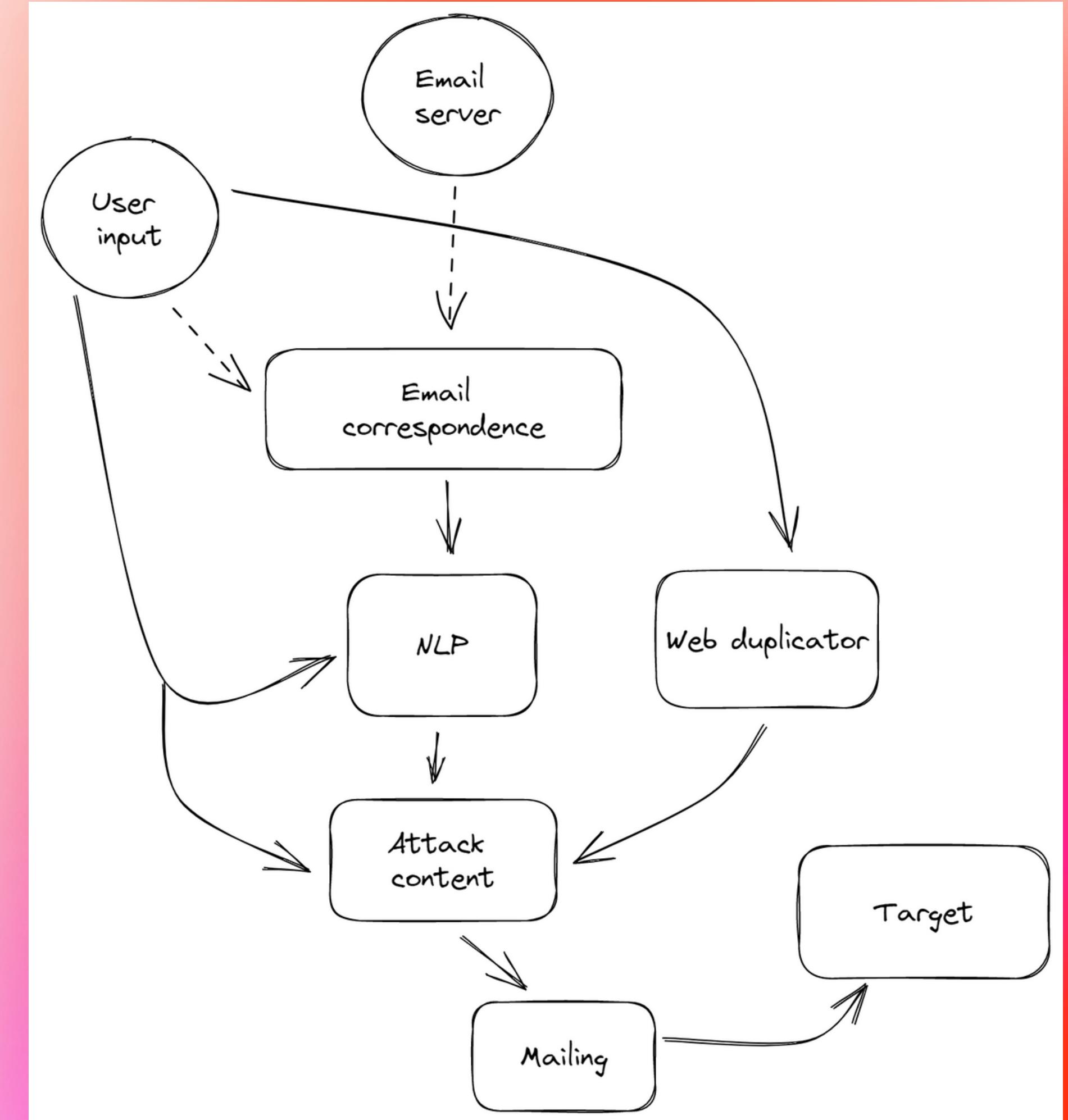
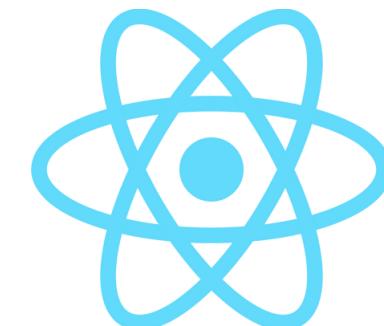
Scrapped page generated by PhishMe

# Technical description

Backend  
**NestJS & ChatGPT**

Web Duplicator  
**Python, bs4, Selenium**

Frontend  
**React.js, Mailing - Nodemailer**



# DEMO



A blurred background image of a person wearing a hoodie with a pink and orange gradient pattern.

**Do you have  
any questions?**