

SecurityWire

Pakistan's First Crowdsourced Cybersecurity Platform

Our Team





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Existing Platforms

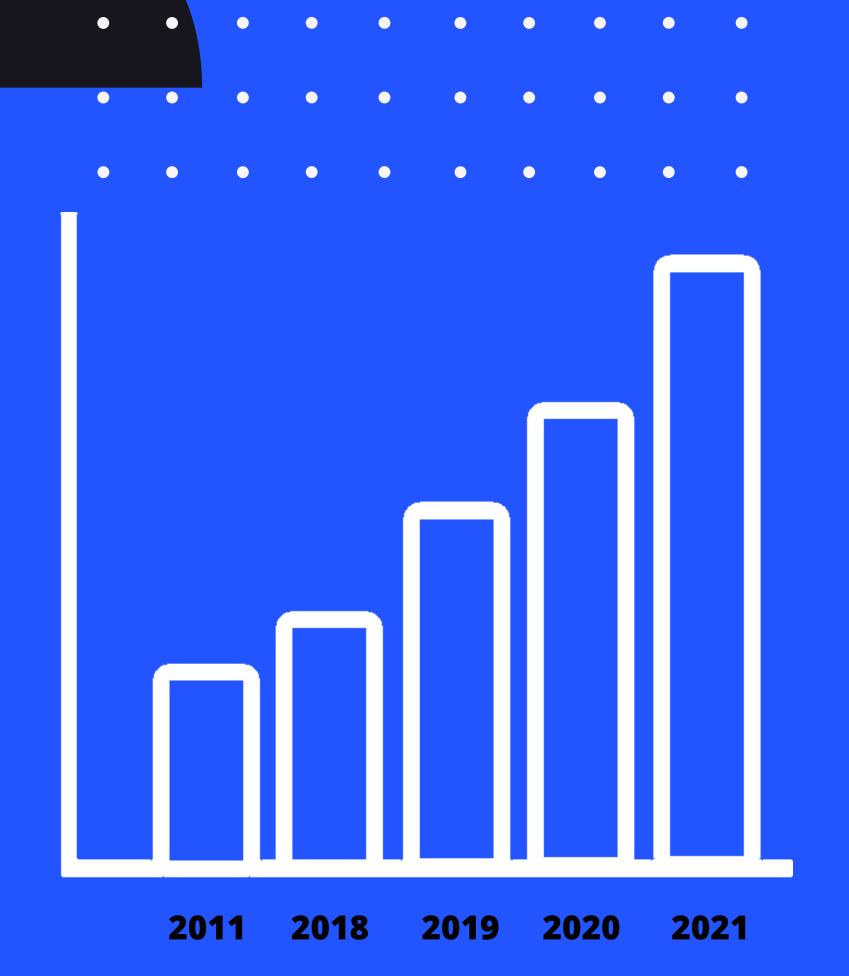


lackerone









Growth of Crowdsourced Cybersecurity Websites Internationally

The Need Another Day



Problem 1

No Crowdsourced Cybersecurity Platform in Pakistan

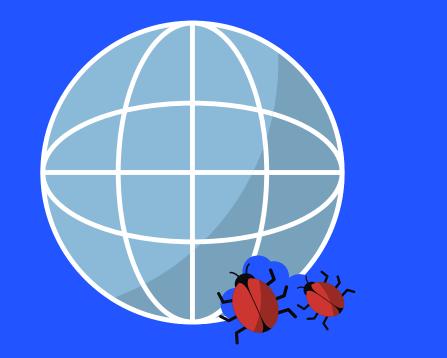
Problem 2

Other platforms only provide either a manual testing or a vulnerability scanner.

Problem 3

Local clients do not feel safe to provide data to the international platforms.

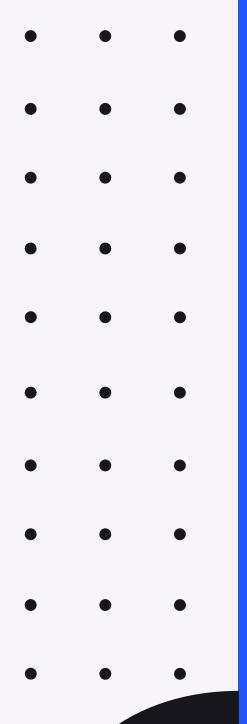
Problems



Security Wire Website



Security Wire Mobile Scanner



Solution





Our Platform

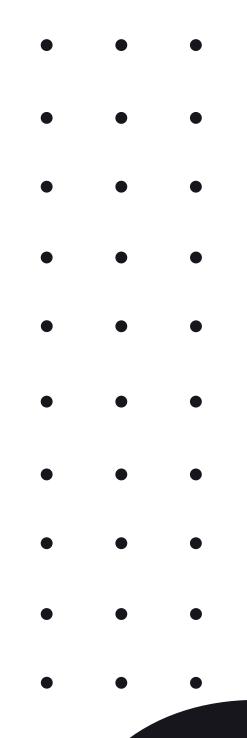
will make sure that all the websites are secure.

It will also allow the ethical hackers to have a freelance platform to get paid for any valid vulnerability submission under the given scope.

REMEMBER THAT

"It takes years to build a reputation and seconds to destroy it."

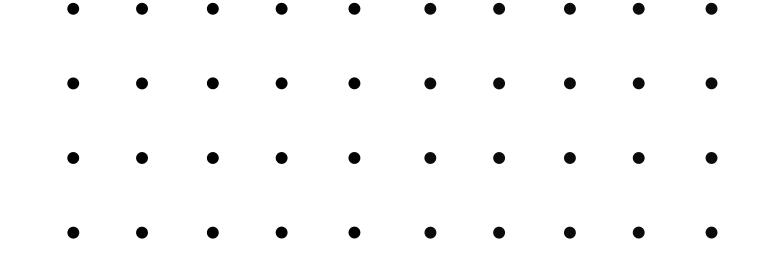
Many Large
Organizations had
to face Leakage
of Private Data to
Unauthorized
People.



Breaches



International Attacks and Breaches:



Facebook (1)

EA Sports SPORTS

Canva Canva

Twitter

Uber 🕣

LinkedIn (in)

Zoom

Pakistan's Attacks and Breaches:

National Identity Card

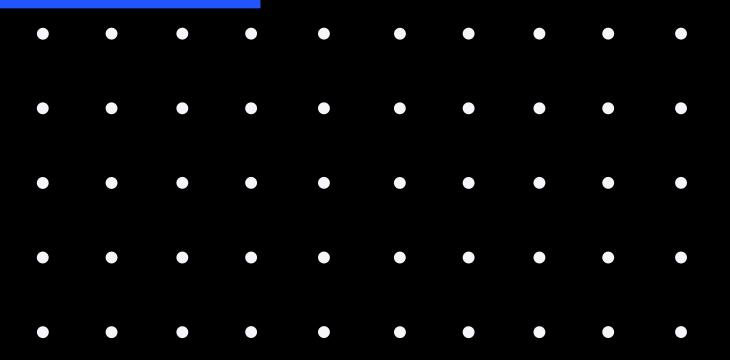


Pakistani Credit Card



National Bank Cyberattack





Components Including in the Platform

Automated Vulnerability
Scanner

Manual Testing (Bug Bounty)

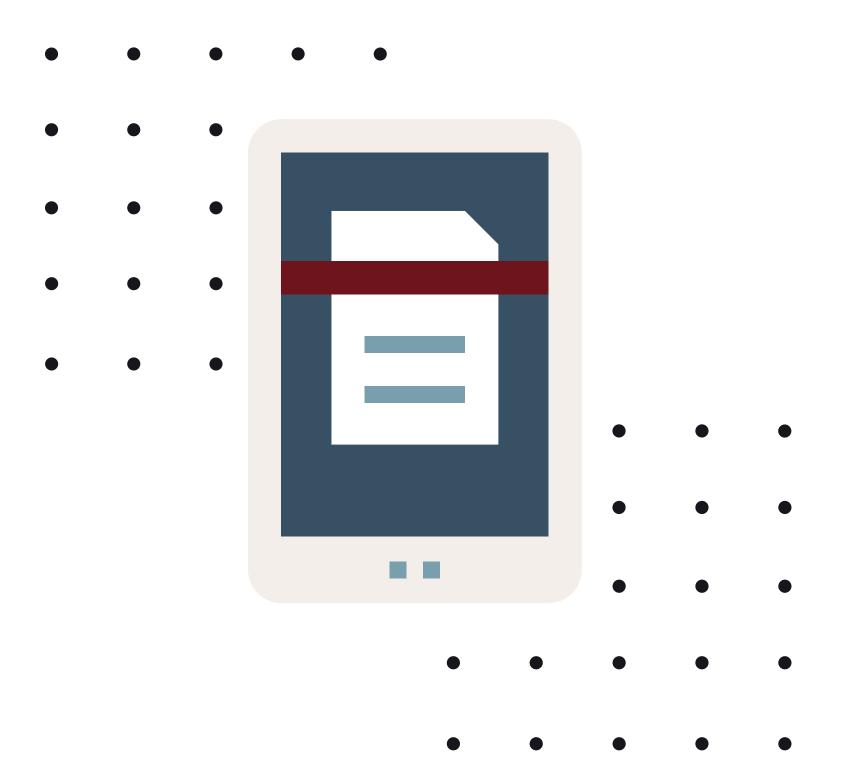
Users of our Platform

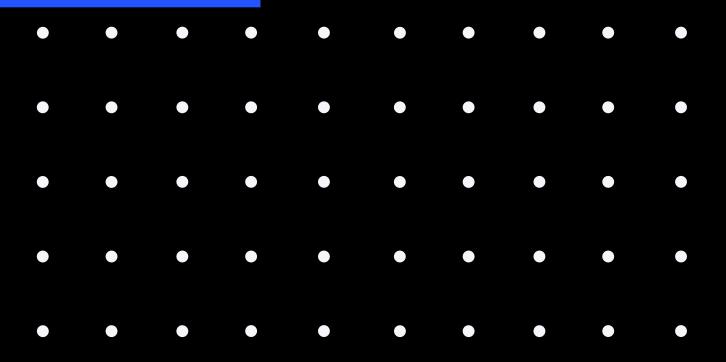
1 Admin

2 Client

3 Security Researcher

Automated Vulnerability Scanner





Limitations of Vulnerability Scanner

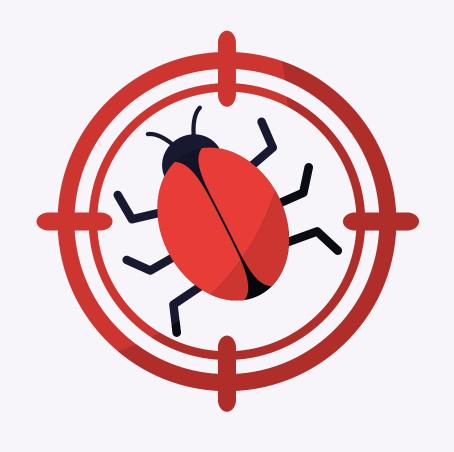
1 Limited Scope

Cannot Deal with Deep Logical Bugs

The Bugs

- Cross Site Scripting (XSS)
- **✓** SQL Injection
- **Open Port Scanner**





Manual Testing (Bug Bounty)

Submissions To Programs
To Get Rewards.



Program Types

Public Programs

Private Programs



VRT

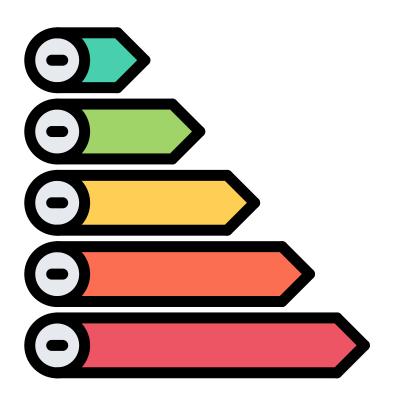
Level 1 to Level 5

High to Low



Reward

Cash, Points, Gifts





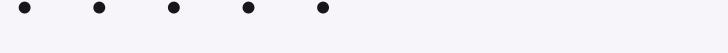
What includes in the Submissions by the Security Researcher?



End Point where Bug was Found

POC (Image, text, video (preferred))

Target Audience



Local Startups



· · · · Silicon Valley Startups

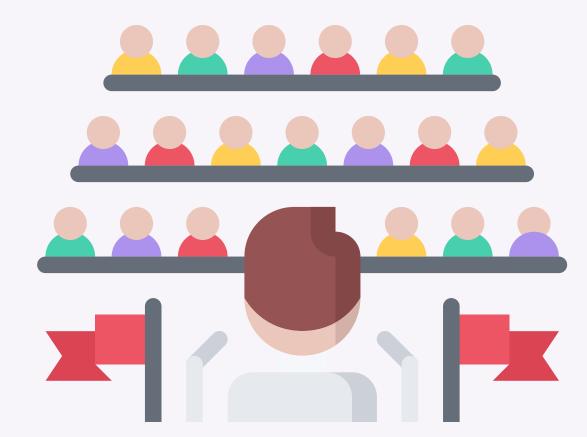


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Existing Websites with Critical / Confidential Data

Tools and Technologies

Python

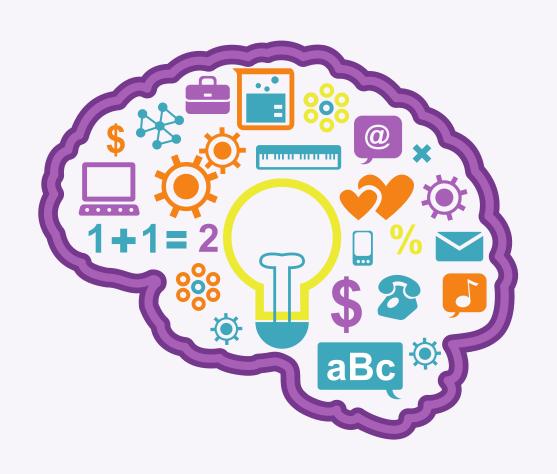
React JS

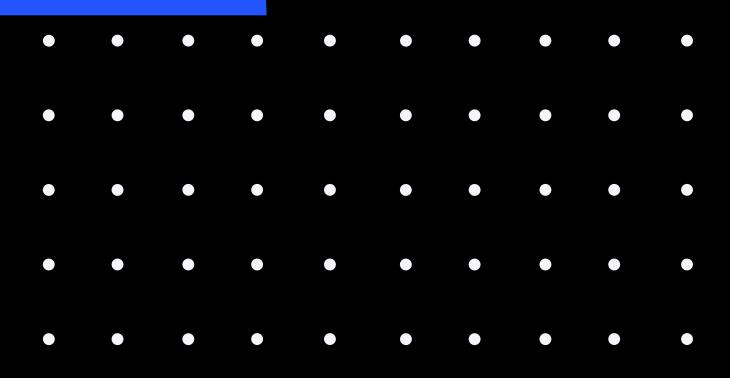
React Native

Node JS

Express JS

Mongo DB





Features of Backend



- Mongodb as nosql Database System
- JWT based session-less authentication and authorization
- Up to the mark Error handling
- Real time chat server using web sockets
- Payments using Stripe gateway

Features of Frontend

- State management using redux
- Persistent token-based authentication and authorization using local storage
- Consistent frontend validations
- Responsive web design

Remaining Work

```
Payment gateway
Chat system between the user, admin, and researcher
Ul improvements
```

Future Work

1 Al in Submissions

2 Al in the Chat System

Al in Scanner using Deep Learning Techniques

