# Dhirubhai Ambani Institute of Information and Communication Technology



#### IT314 – SOFTWARE ENGINEERING

GROUP - 13

# JOB MATCHING PLATFORM - CAREER XPERT -

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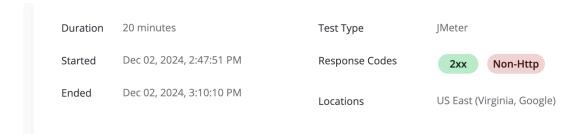
# **Performance Testing**

Objective: To assess and test system's responsiveness, scalability and performance under various conditions

Tools used: Blaze-Meter

The test is conducted under the following conditions:

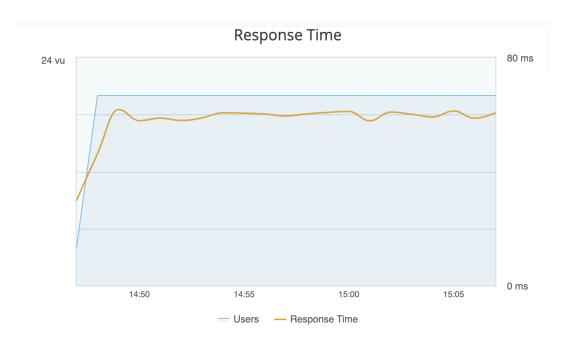
Duration: 20 minutesTest Type: JMeterNo. of CPUs: 2Fixed Location



#### The output is as follows:



- The website can handle up to 11,79,180 hits in an hour.
- The error rate according to the no. of users is quite low, giving an average bandwidth of 311.3 KB/s.
- Average response time of all users is 59.18 mili-seconds.



From the above graph, it is noticed that, as the no. of users increase, the response time increases, becoming constant after a certain time.

From the below graph, it is noticed that, as the no. of users increases the error probability increases. As the error increases, average throughput decreases.





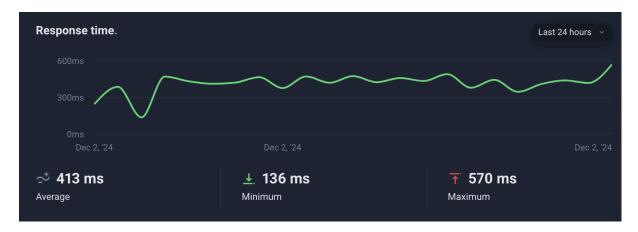
The above graph shows the system metrics during the test.

## **Availability and Reliability Testing**

Objective: To ensure the system's reliability and availability under different conditions.

Tool used: UpTime Robot

The monitor tracking is implemented and the website was live 24 hours. No issue was noticed despite using the website continuously by multiple users and all over the time.



HTTP Request v/s Time

- Minimum response time was 136ms.
- Maximum response time was 570ms.
- No major drops of response time throughout 24 hours.
- Multiple user activity shows drop in response time, but not major.
- 9-10 users working in parallel.

# **Security Testing**

Objective: To ensure the system is protected from possible intruders and finding all possible loopholes

Tool Used: Immuni Web

The security testing was done on the following parameters:

- Tested on: Dec 2nd, 2024 12:12:44 GMT +5:30

Server IP: 76.76.21.142Reverse DNS: AbsentLocation: Walnut, USAClient: Desktop version

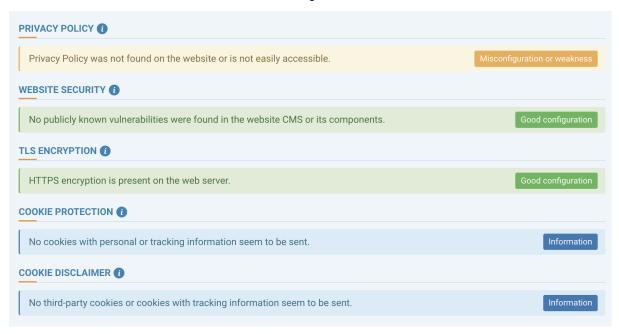
### Web Server Security Test

HTTP RESPONSE	HTTP VERSIONS	NPN (1)	ALPN (1)
200	HTTP/1.0 HTTP/1.1 HTTP/2	N/A	[H2]
CONTENT ENCODING	SERVER SIGNATURE	WAF (1)	LOCATION
None  HTTP METHODS ENABLED  GET HEAD OPTIONS	Vercel	No WAF detected	Carolina Internet, Ltd.

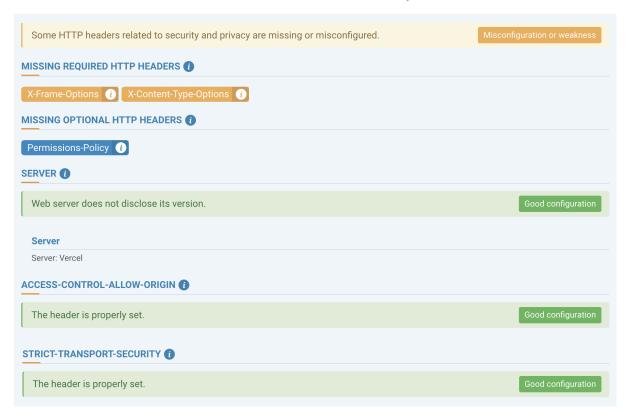
# Software Security Test



#### **GDPR** Compliance Test



#### **HTTPS Headers Security**



## Cookie Privacy

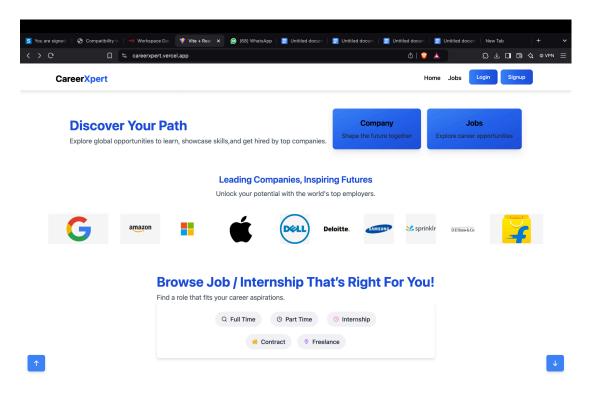
No cookies were sent by the web application.

Good configuration

### Summary:

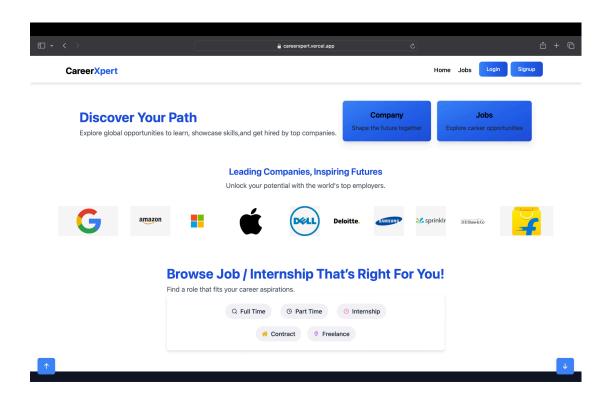
- GET HTTP method is enabled
- No CMS is present
- No privacy policy found
- No publicly found vulnerabilities
- HTTPs encryption present
- No cookies
- No third-party cookies
- Header properly set
- Web server does not disclose its version

# **Compatibility Testing**



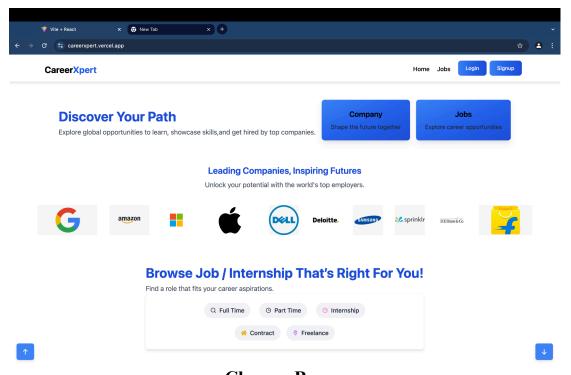
**Brave Browser** 

Version 1.73.91 Chromium: 131.0.6778.85 (Official Build) (arm64)



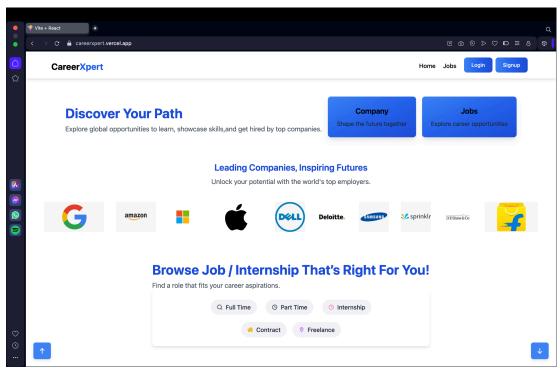
Safari Browser

Version 17.3 (19617.2.4.11.8)



**Chrome Browser** 

Version 131.0.6778.86 (Official Build) (arm64)



**Opera Browser** 

Version: 115.0.5322.68 (arm64)