

Information Scanning:

```
Other addresses for beta.shothik.ai (not scanned): 172.67.178.36 2606:4700:3032::ac43:b224 2606:4700:3034::6815:2b6a
Not shown: 996 filtered tcp ports (no-response)
          STATE SERVICE VERSION
80/tcp open http Cloudflare http proxy
443/tcp open ssl/http Cloudflare http proxy
8080/tcp open http Cloudflare http proxy
8443/tcp open ssl/http Cloudflare http proxy
[sudo] password for faisal:
Starting Nmap 7.93 (https://nmap.org ) at 2023-05-17 08:42 +06
Nmap scan report for beta shothik ai (104.21.43.106)
Host is up (0.058s latency).
ther addresses for beta.shothik.ai (not scanned): 172.67.178.36 2606:4700:3034::6815:2b6a 2606:4700:3032::ac43:b224
Not shown: 996 filtered tcp ports (no-response)
PORT STATE SERVICE VERSION
30/tcp open http   Cloudflare http proxy
|_http-passwd: ERROR: Script execution failed (use -d to debug)
 __http-csrf: Couldn't find any CSRF vulnerabilities.
_http-server-header: cloudflare
_http-stored-xss:/Couldn't find any stored XSS vulnerabilities.
 http-vuln-cve2013-7091: ERROR: Script execution failed (use -d to debug)
 _http-dombased-xss: Couldn't find any DOM based XSS.
143/tcp_open_ssl/http Cloudflare http proxy
 _http-dombased-xss: Couldn't find any DOM based XSS.
 _http-stored-xss: Couldn't find any stored XSS vulnerabilities.
 _http-server-header: cloudflare
 http-enum:
    /blog/: Blog
    /admin/: Possible admin folder
   /admin/index.html: Possible admin folder
   /robots.txt: Robots file
   /manifest.json: Manifest JSON File
   /account/: Potentially interesting folder
   /payment/: Potentially interesting folder
/tools/: Potentially interesting folder
 _http-csrf: Couldn't find any CSRF vulnerabilities.
3080/tcp open http Cloudflare http proxy
 _http-csrf: Couldn't find any CSRF vulnerabilities.
 http-dombased-xss: Couldn't find any DOM based XSS.
 http-slowloris-check:
   VULNERABLE:
    Slowloris DOS attack
      State: LIKELY VULNERABLE
      IDs: CVE:CVE-2007-6750
        Slowloris tries to keep many connections to the target web server open and hold
        them open as long as possible. It accomplishes this by opening connections to
        the target web server and sending a partial request. By doing so, it starves the http server's resources causing Denial Of Service.
```

```
Cloudflare http proxy
8080/tcp open http
 _http-csrf; Couldn't find any CSRF vulnerabilities.
 http-dombased-xss: Couldn't find any DOM based XSS
  http-slowloris-check:
    VULNERABLE:
    Slowloris DOS attack
      State: LIKELY VULNERABLE
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        themapen as long as possible. It accomplishes this by opening connections to
        the target web server and sending a partial request. By doing so, it starves
        the http server's resources causing Denial Of Service.
      Disclosure date: 2009-09-17
      References:
        https://cve.mitre.org/cgi-bin/cvename.cgi?name=CVE-2007-6750
        http://ha.ckers.org/slowloris/
 _http-server-header: cloudflare
 _http-stored-xss: Couldn't find any stored XSS vulnerabilities.
 _http-passwd: ERROR: Script execution failed (use -d to debug)
 _http-vuln-cve2013-7091: ERROR: Script execution failed (use -d to debug)
8443/tcp open ssl/http Cloudflare http proxy
 _http-stored-xss: Couldn't find any stored XSS vulnerabilities.
 _http-dombased-xss: Couldn't find any DOM based XSS.
 _http-csrf: Couldn't find any CSRF vulnerabilities.
 _http-server-header: cloudflare
Service detection performed. Please report any incorrect results at https://nmap.org/submit/ .
Nmap done: 1 IP address (1 host up) scanned in 584.73 seconds
   (faisal⊕kali)-[~]
 -s
```

```
POST /v1/accounts:signInWithPassword?key=AIzaSyAE-xtJmH6HTc4XQZSYjdRQtsRYoaIS_lo HTTP/2
2 Host: identitytoolkit.googleapis.com
3 Content-Length: 87
5 x-Firebase-Gmpid: 1:259331281661:web:5d89590c720a60fd1e2494
6 Content-Type: application/json
7 x-Client-Version: Chrome/JsCore/9.17.1/FirebaseCore-web
8 Sec-Ch-Ua-Mobile: 70
9 User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/112.0.5615.138 Safari/537.36
10 Sec-Ch-Ua-Platform: "Linux"
11 Accept: */*
12 Origin: https://beta.shothik.ai
13 X-Client-Data: CNTxygE-
14 Sec-Fetch-Site: cross-site
15 Sec-Fetch-Mode: cors
16 Sec-Fetch-Mode: cors
17 Accept-Encoding: gzip, deflate
18 Accept-Encoding: gzip, deflate
18 Accept-Encoding: gzip, deflate
18 Accept-Encoding: gzip, deflate
19 Accept-Encoding: gzip, deflate
19 Accept-Encoding: gzip, deflate
10 Accept-Encoding: gzip, deflate
11 Accept-Encoding: gzip, deflate
12 Accept-Language: en-US,en;q=0.9
19 Accept-Language: en-US,en;q=0.9
10 Accept-Encoding: gzip, deflate
10 Accept-Encoding: gzip, deflate
11 Accept-Encoding: gzip, deflate
12 Accept-Language: en-US,en;q=0.9
13 Accept-Encoding: gzip, deflate
14 Accept-Encoding: gzip, deflate
15 Accept-Language: en-US,en;q=0.9
16 Accept-Language: en-US,en;q=0.9
```

1. Application Error Disclosure

Severity: Medium

Description: This page contains an error/warning message that may disclose sensitive information like the location of the file that produced the unhandled exception. This information can be used to launch further attacks against the web application. The alert could be a false positive if the error message is found inside a documentation page.

Evidence:

```
HTTP/1.1 200 0K
Date: Tue, 10 May 2023 22:59:09 GMT
Connent-Type: text/javascript; charset=utf-8
Connection: keep-alive
Cache-Control: max_age=14400
etag: W/2d768a75ef95beea7dba695f5ba895db92866991e39d58bb5b75f18bc271c757*
last-modified: Thu, 11 May 2023 20:25:15 GMT
strict-transport-security: max_age=31556926
x-served-by: cache-angsi243-QMG
x-cache: HIT
x-cache-hits: 11
x-cache-hits: 13
x-cache-hits: 13
x-cache-hits: 18
x-time:: S16842777949.348064,VS0,VE1
vary: x-fh-requested-host, accept-encoding
alt-svc: his-si-4343; ma=86400
CF-Cache-Status: MISS
Report-To: ("endpoints": ("u"1": "https:///a.nel.cloudflare.com/report/v3?s=20TaShskEfA%2FUhIMysQcw8uVSfh3s7Zv1ZY8D%28g7p15XNOXnDxQMJGDFyZzwWqiwo3hEbeSsEG8%2F%28359zUmy1pSF0W9PmiHLVtLimW0nW871%
2BaVUclEjffcR0xcmUmX7Ck3D*)], "group": "cf-nel", "max_age": 604800}
Server: cloudflare
CF-RAX: 72873abfcddd3d5f-SIN
Content-Length: 91424
```

(self.webpackChunk,N_E=self.webpackChunk,N_E||[]).push([[179],(60932:function(e,t){"use strict";function n(e,t,n,r,o,a,i){try(var s=e[a](i),1=s.value)catch(c){return void n(c)}s.done?t(1):Promise.re ribution=c),n.reportWebYitals(f));const r=yield D.routeLoader.whenEntrypoint(I,page);if("error in r)thour r.eror;z=r.component\catch(o){n=S.getProperError(o)\window._NEXT_PRELOADREADY&fyield win between the promise.re ribution=c),n.ead(c),void f.get(t).then(r,1);const d=()=>);),n.ead(c),void f.get(t).then(r,1);const d=()=> createkey-s,t.default=void g.var_r=n(60932).z,o=n(6593),z,o=n(52693),z,o=n(52693),z,o=n(52693),z,o=n(52693),o=n(626933),o=n(626933),o=n(626933),o=n(62693),o=n(626933),o=n(626933),o

Your Software Our Passion For Perfection

Impact: This page contains an error/warning message that may disclose sensitive information like the location of the file that produced the unhandled exception. Because this information can be used to launch further attacks against the web application.

Solution: Review the source code of this page. Implement custom error pages. Consider implementing a mechanism to provide a unique error reference/identifier to the client (browser) while logging the details on the server side and not exposing them to the user.

2. Content Security Policy (CSP) Header Not Set

Severity: Medium

Description: Content Security Policy (CSP) is an added layer of security that helps to detect and mitigate certain types of attacks, including Cross Site Scripting (XSS) and data injection attacks. These attacks are used for everything from data theft to site defacement or distribution of malware. CSP provides a set of standard HTTP headers that allow website owners to declare approved sources of content that browsers should be allowed to load on that page — covered types are JavaScript, CSS, HTML frames, fonts, images and embeddable objects such as Java applets, ActiveX, audio and video files.

Evidence:

```
http://lieuro.com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/second-com/seco
```

Impact: There is no direct impact of not implementing CSP on your website. However, if your website is vulnerable to a Cross-site Scripting attack CSP can prevent successful exploitation of that vulnerability. By not implementing CSP you'll be missing out on this extra layer of security.

Solution: Ensure that your web server, application server, load balancer, etc. is configured to set the Content-Security-Policy header.

3. Missing Anti-Clickjacking Header

Severity: Medium

Description: The response does not include either Content-Security-Policy with 'frame-ancestors' directive or X-Frame-Options to protect against 'Clickjacking' attacks.

Evidence:

```
HTTP/1.1 200 0K
Date: Tue, 16 May 2023 22:59:07 GMT
Content-Type: text/html; charset=utf-8
Connection: keep-alive
Cache-Control: max-age=3600
last-modified: Thu, 11 May 2023 22:55:15 GMT
strict-transport-security: max-age=31556926
x-served-by: cache-qg1256-QPG
x-served-by: cache-qg1256-QPG
x-served-by: cache-htts: 1
x-cache-htts: 1
x-timer: S1684277947.034792,VS0,VE1
vary: x-fh-requested-host, accept-encoding
vary: x-fh-requested-host, accept-encoding
vary: x-fh-requested-host, accept-encoding
vary: v-fh-requested-host, v-fh-requested-host, accept-encoding
vary: v-fh-requested-
```

<!DOCTYPE html><html lang="en" class="__className_ad314c"><head><meta charset="utf-8" /><meta name="viewport" content="initial-scale=1, width=device-width" /><title>Shothik AI : The future of writing

Impact: Missing X-Frame-Options header means that this website could be at risk of a clickjacking attack. The X-Frame-Options HTTP header field indicates a policy that specifies whether the browser should render the transmitted resource within a frame or an iframe.

Solution: Modern Web browsers support the Content-Security-Policy and X-Frame-Options HTTP headers. Ensure one of them is set on all web pages returned by your site/app.

If you expect the page to be framed only by pages on your server (e.g. it's part of a FRAMESET) then you'll want to use SAMEORIGIN, otherwise if you never expect the page to be framed, you should use DENY. Alternatively consider implementing Content Security Policy's "frame-ancestors" directive.

4. Strict-Transport-Security Header Not Set

Severity: Low

Description: HTTP Strict Transport Security (HSTS) is a web security policy mechanism whereby a web server declares that complying user agents (such as a web browser) are to interact with it using only secure HTTPS connections (i.e. HTTP layered over TLS/SSL). HSTS is an IETF standards track protocol and is specified in RFC 6797.

Evidence:

```
| HTTP/1.1 200 OK | Date: Tue, 16 May 2023 22:59:09 GMT | Content-Type: application/javascript | Content-Type: application/javascript | Content-Length: 12332 | Connection: Keep-alive | Last-Modified: Fri, 12 May 2023 12:05:41 GMT | Etaj: "ofs2059-302c" | Report-To: ("endpoints:'[("url":"https:\/\a.nel.cloudflare.com/report\/v37s=L07bfkllwww.m2VSHxqnbPnamJgBX%2FzbPg%2F0DNixMHD3e5%2F7aEU%2BbMwqgcuVFTzxV%2FzAnqMq1%2B%2BkfCQ%2FBt8]% | PROVIDED NEL: ("success, fraction":0, "report_To":"cf-nel", "max_age":604800) | NEL: ("success, fraction":0, "report_To"
```

Impact: Why "Strict-Transport-Security Header Not Set" can be dangerous. The missing Strict-Transport-Security header results in communication over HTTP being allowed to the specified domain. That makes the website vulnerable to manin-the-middle attacks, presenting a fake login page being one of the options.

Solution: Ensure that your web server, application server, load balancer, etc. is configured to enforce Strict-Transport-Security.

5. Timestamp Disclosure - Unix

Severity: Low

Description: A timestamp was disclosed by the application/web server - Unix. Like 1540483477, which evaluates to: 2018-10-25 22:04:37

Evidence:

```
### REPORT 1.30 OF DBV 2023 22:9:00 OFF Content-type: text/javactip; characteri-8 Content-type: text/javactip; characteri-9 CF-051500 Content-top: text/javactip; characteri-9 CF-051500 C
```

Impact: The security implications of a timestamp disclosure are significant. If a timestamp is disclosed, it can be used to gain access to a system or to modify or delete data. It can also be used to track user activity, as the timestamp can be used to determine when a user logged into a system or when a file was created.

Solution: Manually confirm that the timestamp data is not sensitive, and that the data cannot be aggregated to disclose exploitable patterns.

6. X-Content-Type-Options Header Missing

Severity: Low

Description: The Anti-MIME-Sniffing Header X-Content-Type-Options was not set to 'no sniff'. This allows older versions of Internet Explorer and Chrome to perform MIME-sniffing on the response body, potentially causing the response body to be interpreted and displayed as a content type other than the declared content type. Current (early 2014) and legacy versions of Firefox will use the declared content type (if one is set), rather than performing MIME-sniffing.

Evidence:

```
Content-Type: text/plain; charset=utf-8
Content-Length: 67
Content-Len
```

Impact: Why "X-Content-Type-Options Header Missing" can be dangerous. The missing "X-Content-Type-Options" http header enables a browser (mostly Internet Explorer) to perform MIME sniffing when the Content-Type header is not set or its value seems inappropriate.

Solution: Ensure that the application/web server sets the Content-Type header appropriately, and that it sets the X-Content-Type-Options header to 'no sniff' for all web pages.

If possible, ensure that the end user uses a standards-compliant and modern web browser that does not perform MIME-sniffing at all, or that can be directed by the web application/web server to not perform MIME-sniffing.