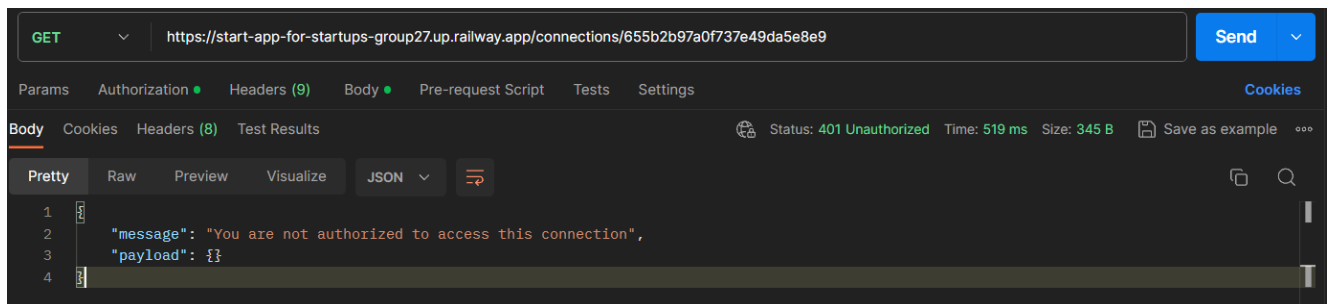


Non-Functional Requirements Testing

Privacy:

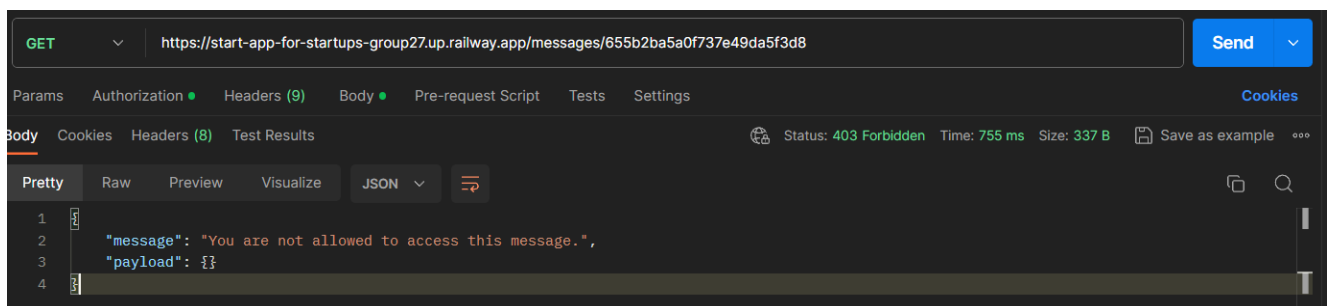
1. Connections Privacy

The connections of a user are accessible solely by the user, ensuring exclusive access and control over their network of contacts, safeguarding privacy and maintaining the user's autonomy.



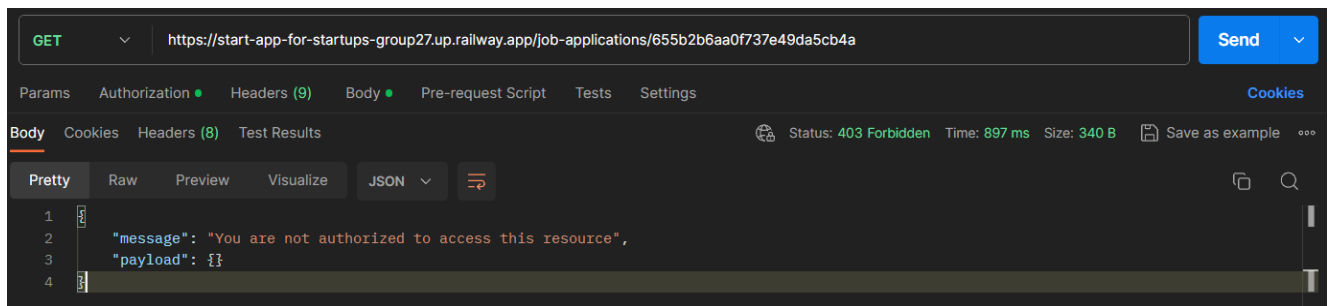
2. Chat Privacy

Messages exchanged within the chat will remain accessible solely to the participants engaged in the conversation, upholding confidentiality and ensuring that the communication remains private between them.



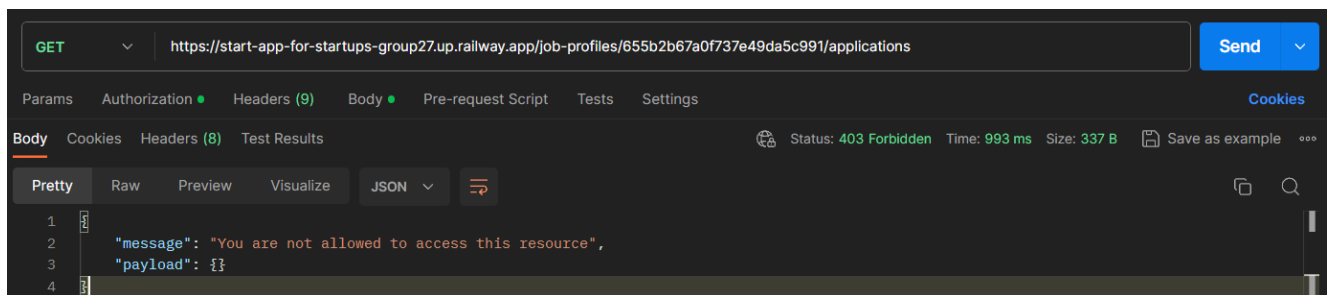
3. Job Application Privacy

Only the individual submitting the job application and the organization that posted the job profile will have access to the application details, ensuring confidentiality and limiting visibility to authorized parties involved in the hiring process.



4. Job Candidate List Privacy

The candidate list for a job profile remains exclusively accessible to the organization that posted the job, safeguarding the privacy of applicants and restricting visibility to only those authorized within the hiring entity.



Security:

- Passwords are encrypted using Node.js bcrypt module
- JWT system is used for authentication, JWT cookies will be stored for 24 hours. After that user will be required to log in again.
- All editable resources are protected by access middlewares to prevent unauthorized modifications or unauthorized access from unauthorized users.

Security report by <https://pentest-tools.com/> :

🚩 Website is accessible.

🚩 Nothing was found for vulnerabilities of server-side software.

🚩 Nothing was found for client access policies.

🚩 Nothing was found for absence of the security.txt file.

🚩 Nothing was found for use of untrusted certificates.

🚩 Nothing was found for enabled HTTP debug methods.

🚩 Nothing was found for secure communication.

🚩 Nothing was found for directory listing.

🚩 Nothing was found for missing HTTP header - Strict-Transport-Security.

🚩 Nothing was found for domain too loose set for cookies.

🚩 Nothing was found for HttpOnly flag of cookie.

🚩 Nothing was found for Secure flag of cookie.

🚩 Nothing was found for unsafe HTTP header Content Security Policy.

Summary

Overall risk level:

Low

Risk ratings:

High: 0

Medium: 0

Low: 6

Info: 13

Scan information:

Start time: Nov 24, 2023 / 14:55:21

Finish time: Nov 24, 2023 / 14:55:43

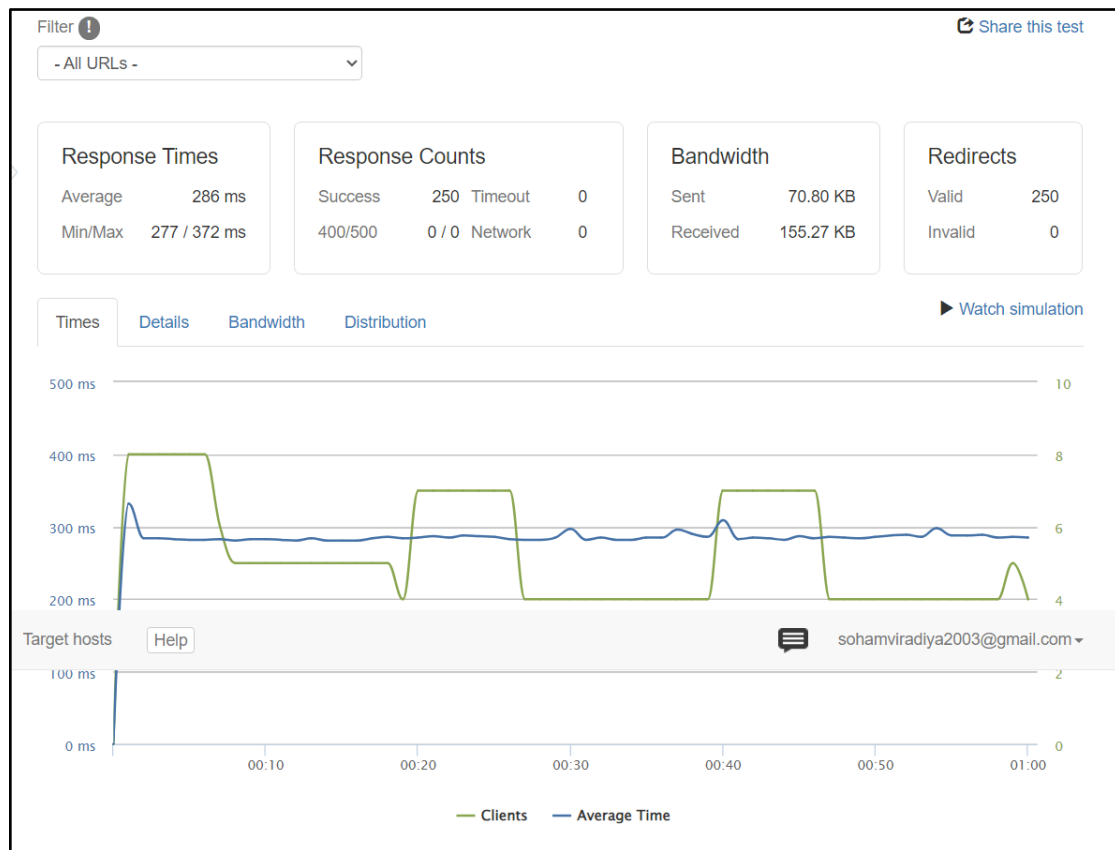
Scan duration: 22 sec

Tests performed: 19/19

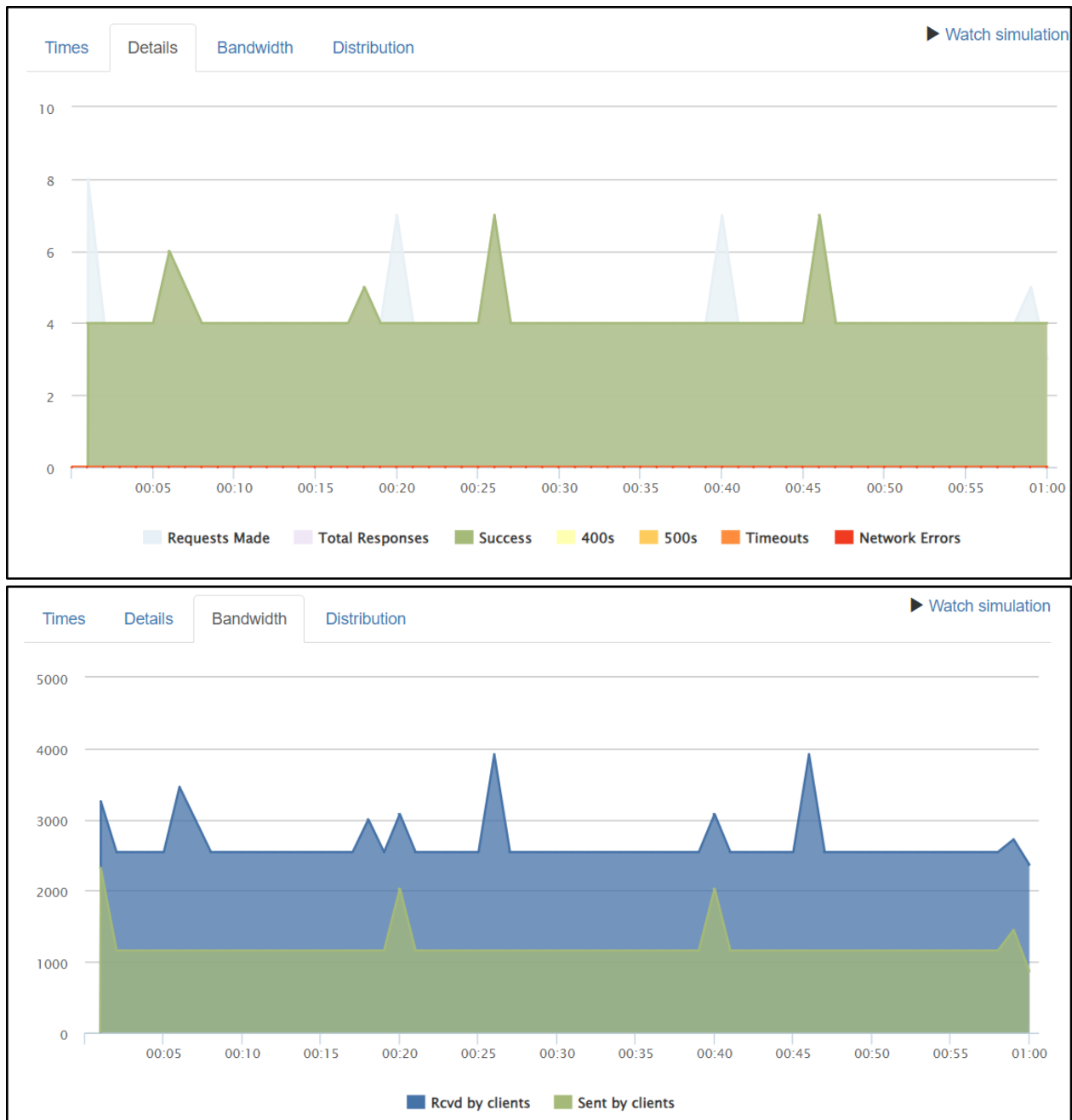
Scan status: **Finished**

Scalability:

Tested 250 clients per minute on a URL using loader.io on <https://start-app-for-startups-group27.up.railway.app/posts/> URL end-point



This site uses a CDN for delivering its files. A Content Delivery Network (CDN) distributes a website's files throughout the world, reducing request latency.



Maintainability:

Both the Frontend and Backend repositories are meticulously organized and consistently maintained. The Frontend Repository adheres to React best practices, ensuring a structured and efficient codebase. Meanwhile, the Backend Repository

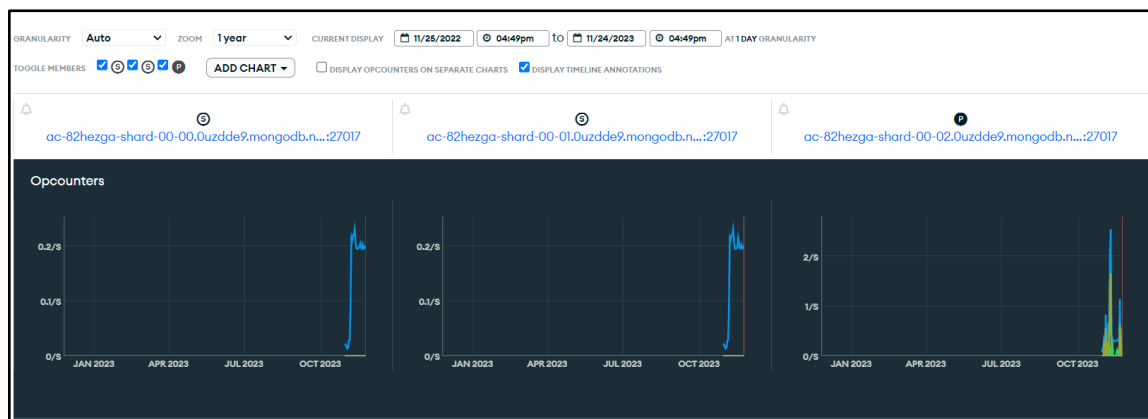
demonstrates a well-thought-out architecture, dividing functionalities into independent modules like middleware, controllers, services, and schemas.

Moreover, this structured approach not only streamlines development but also simplifies the debugging process. With distinct modules, debugging becomes more precise, allowing for targeted identification and resolution of issues. Additionally, this architecture makes extending functionalities or adding new features more straightforward. The clear separation of concerns and modular design enables seamless integration of new components, fostering agility and facilitating the evolution of the application with minimal disruption to the existing codebase.

Reliability:

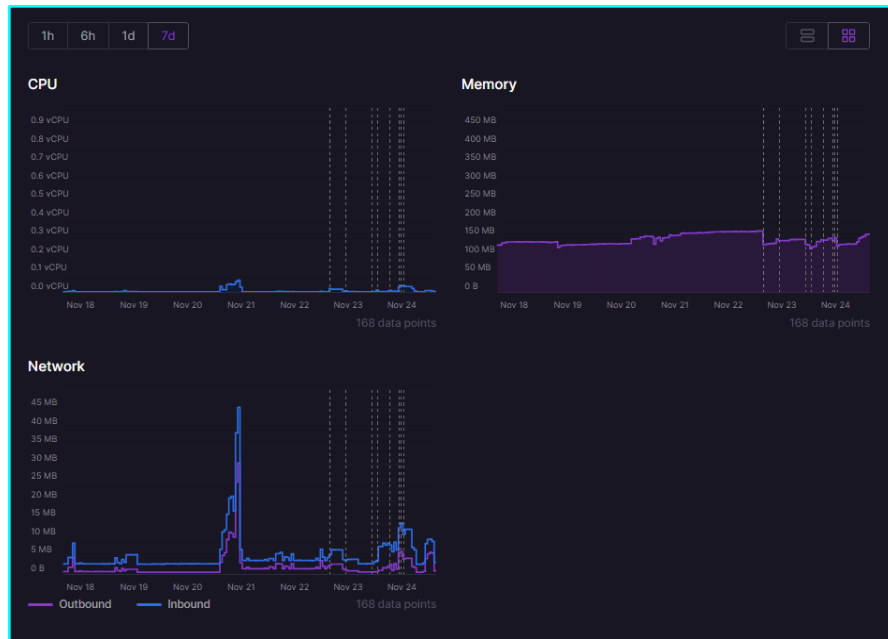
Database Reliability:

Our Mongodb Atlas server has replicated our database in 3 instances to reduce downtime.



Backend Server Reliability:

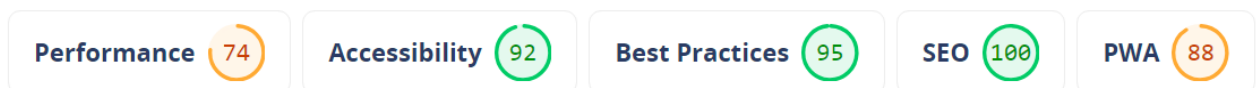
Our backend server has the capability to auto-restart upon crashing. This contributes significantly to system reliability and continuity. Furthermore it is capable of handling multiple requests at once in a non-blocking way.



Ease of Use:

Tested with: <https://www.webpagetest.org/>

Lighthouse Report:



Performance Report:

Page Performance Metrics

(Based on Median Run by: Speed Index)

Note: Metric availability will vary

First View (Run 1)

Time to First Byte

1.355s

When did the content start downloading?

Start Render

4.400s

When did pixels first start to appear?

First Contentful Paint

4.386s

How soon did text and images start to appear?

Speed Index

4.902s

How soon did the page look usable?

Largest Contentful Paint

4.886s

When did the largest visible content finish loading?

Cumulative Layout Shift

0

How much did the design shift while loading?

Total Blocking Time

.320s

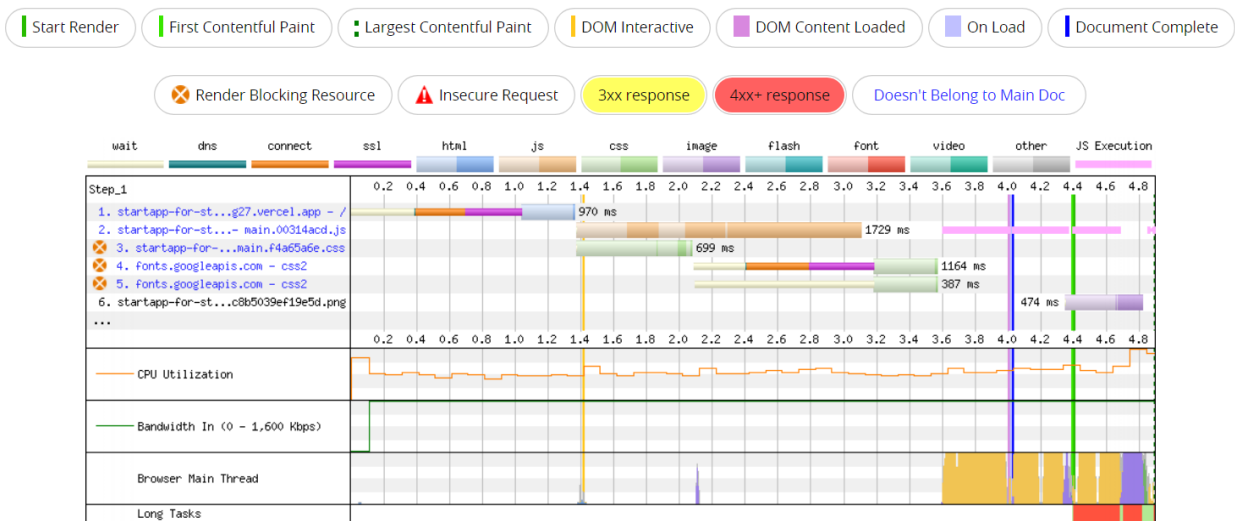
Was the main thread blocked?

Page Weight

3,078 KB

How many bytes downloaded?

Web Vitals Report:



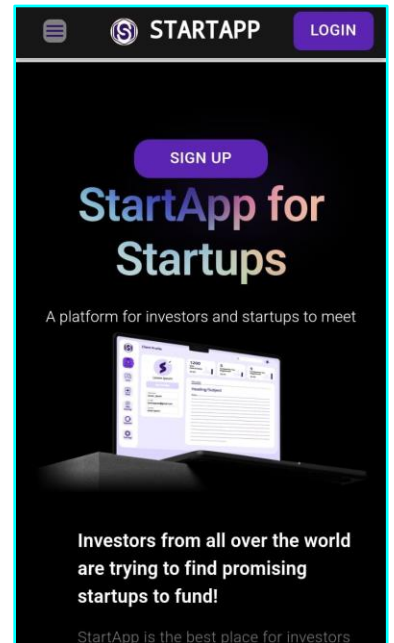
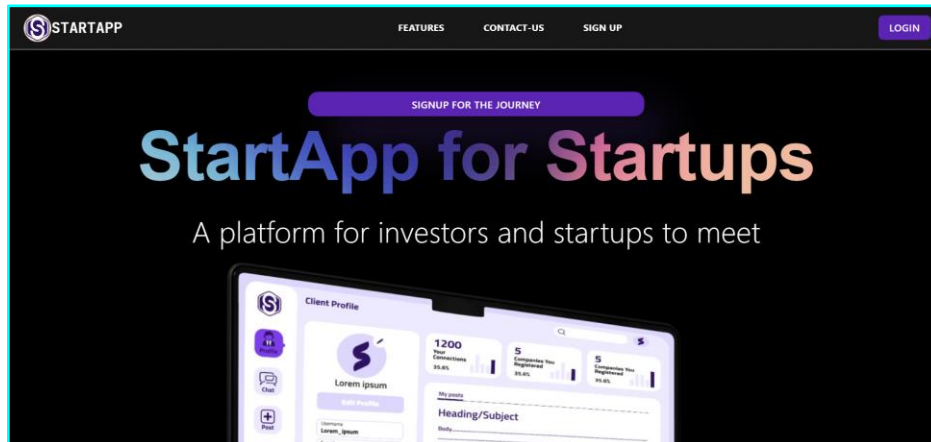
Passed Audits (11)

- ▶ **Uses HTTPS**
- ▶ **Avoids requesting the geolocation permission on page load**
- ▶ **Avoids requesting the notification permission on page load**
- ▶ **Allows users to paste into input fields**
- ▶ **Serves images with appropriate resolution**
- ▶ **Page has the HTML doctype**
- ▶ **Properly defines charset**
- ▶ **Avoids unload event listeners**
- ▶ **Avoids deprecated APIs**
- ▶ **No browser errors logged to the console**
- ▶ **No issues in the Issues panel in Chrome Devtools**

Best Practices:

Portability:

The website underwent comprehensive testing across various screen resolutions and diverse browsers, ensuring optimal performance and compatibility across a wide spectrum of devices and user experiences.



Chats

490

PENDING

Pfeffer_AbernathyInc99IDGuX

Last seen: 11/23/2023, 11:15:32 PM

PENDING

490

Last seen: 11/24/2023, 5:51:57 PM

Schaefer_Kerluke-Sanford53nBTuH

Last seen: 11/24/2023, 7:05:23 PM

PENDING

Schneider_Bahringer-Schiller38wXihL

Last seen: 11/24/2023, 7:06:29 PM

PENDING

DrAlexis_Swanlawski62VgcAd

Last seen: 11/24/2023, 7:10:23 PM

PENDING

11/24/2023, 8:39:40 PM

Dhirubhai Ambani Institute of Information and Communication Technology (DA-ICT), is a private self-financed university/institute located in Gandhinagar, Gujarat, India. It is named after the Gujarati entrepreneur and Reliance Group founder Dhirubhai Ambani.

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Posts

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Deep

Ms.Jammie.Bruen11GvIP5

20/11/2023, 15:23:20

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abscido

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via swarm gah what outset
deceivingly incidentally
steep sans ellipse by

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Pfeffer_AbernathyInc99IDGuX

Last seen: 23/11/2023, 23:15:32

PENDING

490

Last seen: 24/11/2023, 17:51:57

Schaefer_Kerluke-Sanford53nBTuH

Last seen: 24/11/2023, 19:05:23

PENDING

Schneider_Bahringer-Schiller38wXihL

Last seen: 24/11/2023, 19:06:29

PENDING

DrAlexis_Swanlawski62VgcAd

490

NOTHING MORE TO LOAD