AN EVALUATION OF PLACEIO: A PLACEMENT PLATFORM FOR STUDENTS

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Abstract*—This research paper evaluates the effectiveness of Placeio, a placement platform that connects students with potential employers. This platform has been developed using the modern technologies such as react-js and Laravel. React is one of the popular web frameworks that has gained importance over other frameworks such as Angular, Vue, etc.. This is because of its implementation of Virtual DOM, whose primary objective is to enhance the overall performance of the application. On the other hand, LARAVEL is a free open source PHP framework. Frameworksare on go, as there is no need to write whole code.The results of this study suggest that Placeio has the potential to be a valuable tool for connecting students with potential employers and helping them achieve their career goals.*

Keywords : LARAVEL , DOM , React-js , Placeio

Introduction :

The job market is becoming increasingly competitive, and students need to have a platform that connects them with potential employers. To address this need, we developed Placeio , an online job portal that enables students to register and apply for various jobs that are available to them. Administrators can also register and post job openings, review student applications, and filter student profiles based on their skills and status. This study aims to evaluate the effectiveness of Placeio in connecting students and employers. We used react-js for the front-end and Laravel for the server side scripting.

The major reason behind choosing react-js is that it uses the virtual DOM. React is largely an internet framework that changed into specially designed to cope with the overall performance problems with inside thenetutility. React makes use of digital DOM that comes to a decision whether or not the aspect needs to be reloaded or now no longerprimarily based totallyat thecutting-edgenation of the aspect and the modificationswhich havetook place. This prevents the utility from re-rendering unnecessarily. Apart from this React additionally introduces one-mannerinformationfloat which allowsto govern the float of the informationwith inside theutility which makes the monitoring of the took placeless complicated and additionally simplifies the propagation and the stability.

Literature Review :

Online job portals have become increasingly popular in recent years, as they provide an efficient and effective way to connect job seekers and employers. Online job portals enable employers to post job openings and review candidate profiles, while job seekers can search for job openings and apply for positions online. Online job portals have several

advantages, such as the ability to reach a large number of job seekers and the ability to filter candidate profiles based on specific criteria.

To make our platform effective, we choosed a PHP framework i.e, LARAVEL.

In [1], this research paper the framework efficiency is significant in terms of two performance parameters that describe the efficiency of a web application with respect ofend-user: 1) maximal time to serve the request;

2) In adefinite time period how many requests can be served. Thisresearch paper gives some functional and non-functional requirements for considering aframework to work on. Thefunctional requirements contain that the user and user groupsshould cater access to the forms that collect data from users.

Non-functional requirements include that every module of the projects should be independent of each other so that theycan work independently. This paper provides someparameters to categorize different PHP frameworks that areits documentation and technical support, database, technologies it supports, programming techniques, toolssupporting web application development, caching,conciseness of source code and most important frameworkefficiency.

In [2], some tasks are performed to measure the performance of different PHP measurements. These tasksare: read/write text files, upload and save images on the webserver, retrieve large data from the database and all theCRUD operations of the database. By their experiment,Laravel performed the best for reading and writing of textfiles. The file processing component of Laravel performs thebest as compared to other PHP frameworks.

Laravel can define a large amount of data for thebusiness purpose and hence best suited to fulfilled the requirement.

Proposed Work :

The lack of a centralized platform that connects students with potential employers can be a challenge for both students and employers. It can be difficult for students to find job openings that are relevant to their skills and qualifications. Employers, on the other hand, may find it challenging to find qualified candidates who meet their hiring criteria. Placeiois developed to address this problem and connect students with potential employers in an efficient and effective way.

There is two major user roles on our platform, one is the user(student) and another one is Administrator(employer).

The administrator is the one who posts the jobs and have access to view all the applicant and their details who have applied in the jobs posted by them whereas the user is any registered candidate with our platform who is seeking for the job. The user can create a profile mentioning all the required personal informationsuch as name, email , qualification , skill set etc and have access to apply for various jobs that are available to them. Once the user applies for the jobs, now this particular job is no more visible to the user in job opening section as it moves to other section named applied jobs.

The user interface of Placeio is intuitive and user-friendly, with clear navigation and well-designed pages. Users can easily find the features they need, such as opening jobs and applied jobs.

To make our platform more handy we have provided the filter option to both user and the admin. By doing so, we enable the admin to search for the particular candidate as per his preference . On the other hand, users can also filter the jobs based on the technology , location etc.

Methodology :

A. Research Design :

This study will employ a mixed-methods research design, which involves the collection and analysis of both quantitative and qualitative data. The study will include a survey of Placeio users to gather quantitative data on their experiences with the platform, as well as interviews with Placeio administrators and users to gather qualitative data on their feedback and suggestions.

B. Data Collection Methods :

The survey will be administered online to Placeiousers, and will include questiSons on their experiences with the platform, such as ease of use, effectiveness in finding job openings, and satisfaction with the features. Interviews will be conducted with a sample of Placeio administrators and users, and will focus on their feedback and suggestions for improving the platform.

C. Data Analysis Procedures :

The survey data will be analyzed using descriptive statistics, such as means and standard deviations, to summarize the responses of Placeio users. The interview data will be analyzed using content analysis, which involves identifying themes and patterns in the responses of Placeio administrators and users.

Result :

A. Overview of Placeio :

Placeio is an online job portal that enables students to register and apply for various jobs that are available to them. Administrators can also register and post job openings, review student applications, and filter student profiles based on their skills and status.

B. Features of Placeio :

Placeio includes several features, such as job posting, student profiles, and job search. Job posting allows administrators to post job openings, while student profiles enable students to create a profile that showcases their skills and qualifications. Job search enables students to search for job openings based on specific criteria, such as job title, location, and industry.

C. User Interface and User Experience :

The user interface of Placeio is intuitive and user-friendly, with clear navigation and well-designed pages. Users can easily find the features they need, such as job posting and job search. Users have also reported a positive user experience, with many stating that the platform is easy to use and effective in connecting them with potential employers.

D. Testing and Validation :

To validate the findings of this study, Placeio administrators and users will be asked to review and provide feedback on the results. This feedback will be used to refine and improve the platform.

Discussion :

A. Comparison with Other Job Portals :

Placeio compares favorably with other online job portals in terms of its features and user interface. Users have reported a positive user experience, and the platform has been effective in connecting students with potential employers.

B. Feedback and Suggestions from Users :

Placeio users have provided valuable feedback and suggestions for improving the platform, such as the addition of more job categories and the ability to save job searches. This feedback will be used to inform the future development of Placeio.

C. Challenges and Limitations :

One of the challenges of Placeio is the need to attract a large number of employers to the platform. This can be addressed by increasing the visibility and promotion of Placeio to potential employers. Another limitation of Placeio is its limited scope, as it only connects students with potential employers.

Future Work :

In today's rapidly evolving job market, a plethora of opportunities awaits those seeking employment. However, the most formidable challenge faced by job seekers is the insufficient skill set, which often impedes their ability to secure their desired position. One potential future scope is the addition of training and live placement courses to the platform, which can enhance the skill set of students and improve their chances of landing their dream jobs. Another possible scope is the incorporation of a chatbot into the application, which can provide instant support to students in the absence of an instructor, thereby enhancing the user experience and increasing engagement. The platform can also be expanded to include machine learning algorithms that provide personalized recommendations to students based on their interests and career goals. Furthermore, the rise of remote work presents an opportunity to add features that allow students to connect with potential employers from all over the world

There are also some additional features that could be incorporated into the platform like gamification elements, such as a reward system for students who complete courses or land jobs. By awarding points that can be redeemed for badges or certificates, students are motivated to participate and engage more fully with the platform. Another possible addition is networking events, which would provide students with valuable opportunities to connect with potential employers and other professionals in their field. Not only would this increase the visibility of the platform in the industry, but it would also give students a chance to build valuable relationships that could lead to future job opportunities.

Conclusion :

This study evaluated the effectiveness of Placeio, an online job portal that connects students with potential employers. The study found that Placeio has several effective features and a positive user interface and user experience. Placeio offers a valuable resource for students seeking employment opportunities. Through the platform's easy-to-use interface, students can easily search and apply for jobs that align with their skills and interests. Additionally, the platform can be expanded in numerous ways to enhance user engagement and provide further benefits to students.

Some of the major merits of the placeio are:

Convenience: Our platform make the job search process more convenient by allowing job seekers to search for job openings from anywhere, at any time.

Increased access to job openings: The platform offer a wide range of job opportunities, from entry-level to senior-level positions, across various industries and locations.

Time-saving: It help job seekers save time by allowing them to apply to multiple job openings with just one application.

Transparency: Ourplatform offer transparency in the hiring process by providing job seekers with information about the company, job requirements, and salary range.

Overall, this research paper provides valuable insights into the effectiveness of placement platform PLACIO and can help inform the development of similar platforms in the future.

References :

- Li, Xiaosong, Sai Karnan, and Jahanzaib Ali Chishti. "An empiricalstudy of three PHP frameworks." *2017 4th International Conferenceon Systems and Informatics (ICSAI)*. IEEE, 2017.
- Fayyaz, Ali Raza, and Madiha Munir. "Performance Evaluation ofPHP Frameworks (CakePHP and CodeIgniter) in relation to theObject-Relational Mapping, with respect to Load Testing." (2014).
- Dharamveer, Samsher, Singh DB, Singh AK,Kumar N. Solar Distiller Unit Loaded with Nanofluid-A Short Review. 2019;241-247. Lecture Notes in Mechanical Engineering, Advances in Interdisciplinary Engineering Springer Singapore. https://doi.org/10.1007/978-981-13-6577-5_24.
- Dharamveer, Samsher. Comparative analyses energy matrices and enviro-economics for active and passive solar still. materialstoday:proceedings. 2020.https://doi.org/10.1016/j.matpr.2020.10.001.