



## Social Network Application for Developers

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### Abstract-

Social Networking refers to grouping of individuals and organisations are brought together via some means to share their opinions, interests, and activities, which is known as social networking. There are various web-based social networking sites available, such as facebook, twitter, linkedin, Google+, and others, that provide an easy-to-use and dynamic interface for connecting with individuals both locally and internationally. There are also a number of mobile-based social networking services available in the form of apps, including as Whatsapp, hike, and others.

The goal of this project is to construct a user-friendly education platform that allows developers from all around the world to connect and share their profiles. It includes information about your schooling, social media links, work experience, and GitHub repositories. Users who log in to the app can construct a portfolio by entering their educational details, social network links, and writing entries. Users can also leave comments on other users' postings, as well as like and dislike them. We used React, MongoDB, Express js, and Node js to complete this project. The application is deployed using Heroku.

**Keywords – Social Network , react js, MongoDB, Express js, Node js, Heroku , Postman, Redux, MongoDB atlas**

### I. INTRODUCTION

As you can see, technology is a vast industry with a large number of software programmers and developers working in various capacities for various technology domains. As a result, there is a huge need for these professionals to build a global online network and stay connected. It helps them keep on top of the most recent developments, opportunities, and news. It also allows them to demonstrate their ability and expertise over a longer period of time. A programming language or technology in particular There are a number of web platforms that appeal to social networking as well as programmers' collaborative needs. A few well-known Q&A websites allow young programmers to post their questions and receive answers from experts.

Expert programmers can even earn a boost by answering difficult questions on such sites. It aids them in increasing their web visibility and improving their professional illustration. There are also some additional forums designed specifically for developers that do a good job of bringing these smart software specialists together on one platform and facilitating the sharing of useful information. To summarise, these sites allow programmers to take advantage of a global platform to notice various technological difficulties and potential answers; exchange relevant job ads; submit illuminating articles; and share enlightening resources.

### II. LITERATURE SURVEY

#### DEVELOPMENT OF WEB PAGES

The foundations of today's commercial internet began in 1990. Tim Berners-Lee invented the basic concepts of the World Wide Web and several tools for effective web usage at the end of 1990. These technologies include the HyperText Transfer Protocol (HTTP), HyperText Markup Language (HTML), the first web browser and code editor, the first web server, and the first web page, which defined a new term, the World Wide Web, as well as a mechanism for creating one's own web page [1]. The internet has been rapidly evolving since 1990, and its evolution can be divided into four generations (Fig. 2) [3]. Users could only view web information on the first web generation's web pages, which were static and not frequently updated. The key motto was "only read the web."

HTML was used to create all web sites, and HTTP was the primary communication mechanism [3]. The second generation begins in 2004, with words such as multiple social networks, blogs, the ability for users to create web page content, and improved user experience when surfing web interfaces. During that time, well-known social networks such as Facebook, Twitter, LinkedIn, and others arose.

These social networks allowed users to connect from all around the world. New technologies, such as JavaScript, Document Object Model (DOM), Ajax, Cascading Style Sheets (CSS), eXtensible HTML (XHTML), eXtensible Markup Language (XML), eXtensible Stylesheet Language (XSL), and Flash, were also introduced at the time, allowing web services to be



### MongoDB Database Tier

If your app saves any data (user profiles, content, comments, uploads, events, and so on), you'll need a database that's as simple to use as React, Express, and Node. JSON documents written in your React.js front end can be transmitted to the Express.js server, where they can be processed and (if they're valid) stored straight in MongoDB for subsequent retrieval.

## IV. METHODOLOGY

The project is split into three stages: front-end, back-end, and database for storing user information.

### Step 1: Registration

The user creates an account in the application and fills up information such as his or her name, email address, and password.



### Step 2: If passwords do not match it shows the pop like Passwords do not match



### Step 3: Go to the login page

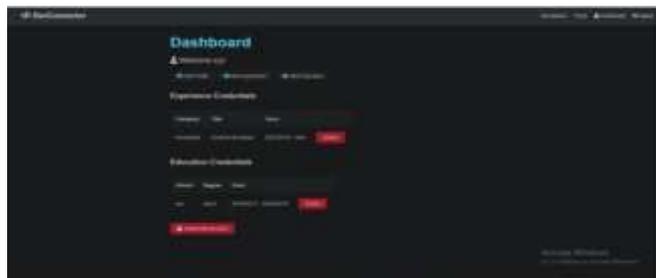
If the user is already a member, he can log in to the programme.



### Step 4: Designing the Dashboard

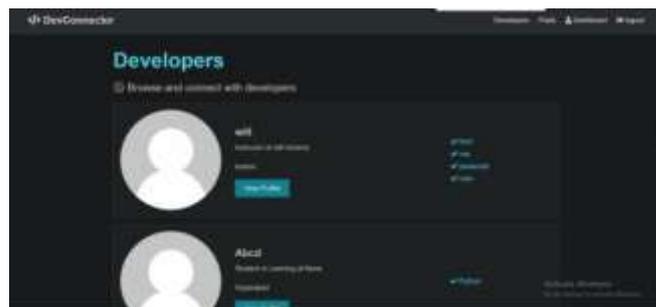
After logging in successfully, the user can establish his dashboard by entering information such as creating a

profile, adding education, and adding experience.



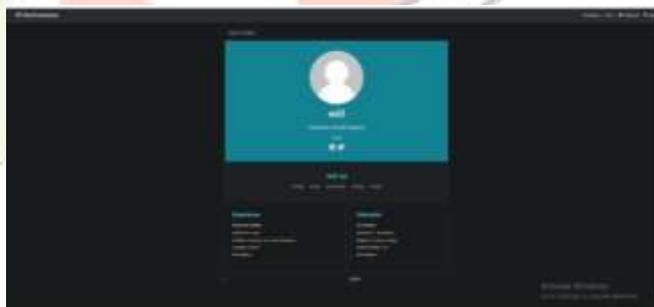
### Step 5: Presenting the developers

Other developers and their skills can be viewed, and the user can communicate with them.



### Step 6: Examining the entire profile

The user can see the entire profile of other developers as well as his own. He can also download his profile as a pdf document.



### Step 7: Make a post

Users can engage with other developers and publish their thoughts. They can even like and dislike other developers' posts.



## V . RESULT

An experiment was undertaken to see how fast the described stacks performed in developing a single page application. Two simple apps were developed with MERN and the loading, adding, updating, and removing times were measured. We've created an application that allows developers to interact with one another based on their knowledge of current technologies. They can also interact with one another by leaving comments, enjoying, and disliking posts. This project was completed using MERN, a cutting-edge technology. Finally, we used MERN to develop.

## VI. CONCLUSIONS

The web application will expand and perform better with more study and mastery of new technologies, frameworks, and testing tools. Web development employing various technologies would be beneficial to many enterprises in India and around the world in the future, as it builds a digital ecosystem and makes doing business easier for everyone.

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## REFERENCES

- [1] Office for National Statistics, Internet users in the UK: 2016. Retrieved September 26, 2017, from <https://www.ons.gov.uk/businessindustryandtrade/itandinternetindustry/bulletins/internetusers/2016>.
- [2] Liang, L., Zhu, L., Shang, W., Feng, D., Xiao, Z. (2017). Express supervision system based on NodeJS and MongoDB.
- [3] M. R. Solanki, A. Dongaonkar, A Journey of human comfort: web1.0 to web 4.0, International Journal of Research and Scientific Innovation (IJRSI), Volume III, Issue IX, pp. 75-78, 2016
- [4] Javeed, A. (2019). Performance Optimization Techniques for ReactJS. 2019
- [5] J. M. Spool, Content and design are inseparable work partners, 2014. Retrieved September 29, 2017, from <https://articles.uie.com/content-and-design>.

