

JOBFIND / JOBPORTAL

MEAN STACK PROJECT (SUMMER TRAINING)



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PREFACE

The main objective of any computer science student is to get as much of practical knowledge as possible. Being an able to have a practical knowledge by developing a project is a life time experience. As practical knowledge is as important as theoretical knowledge we are thankful of having a project.

Through the development of the project we had a great experience of various strategies that can be applied in development of project. This project is the stepping stone for our carrier.

We are pleased to present this project. Proper care has been taken while organizing the project so that it is to comprehend also various software engineering concepts as been implemented. We learn to tackle different real-world problems that strike while developing any real-world computer application

ACKNOWLEDGEMENT

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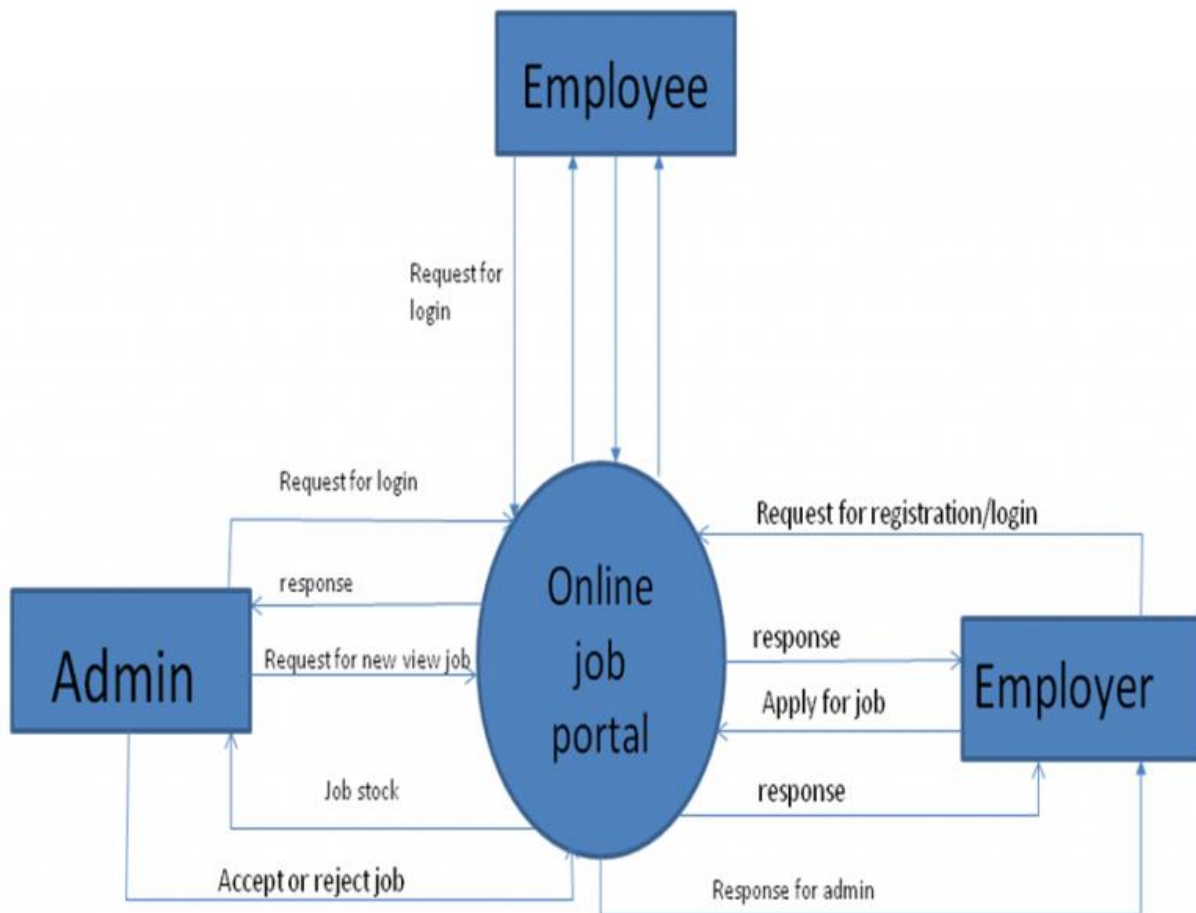
PROJECT INTRODUCTION & PROFILE

Job portal is an application which connects employer and job seekers where employers are the source of the resources and the job seeker can find and apply for their targeted job. This document provides details about the entire software requirement specification for the online job portal.

PREFACE OF PROJECT

- This Job Portal website is providing to the online job portal system.
- This website can be also providing information about online job.
- The customer can get the online registration.
- The Job Portal web application can be used by any employee to apply job and any employer are post to job.

DFD (DATA FLOW DIAGRAM)



Existing System

The existing system for job recruitment includes traditional methods like Employment agencies, advertising through newspapers, televisions and radios, college fairs etc., which are too slow and stressful. With the advancement of internet, jobseekers rely on the online job portals, which makes the job search efficient. Again, most of these are limited to the web/desktop applications, which requires jobseekers to have a laptop or desktop connected to internet and is not handy.

MERITS / DEMERITS OF JOB PORTAL

MERITS-

1. Firstly, it promotes employers brand
2. the time and cost to hire candidates reduces
3. Consolidation of candidate profile becomes easy
4. you gain a sense of visibility and effectiveness in your hiring process

DEMERITS-

1. Easier Choosing of Candidates
2. Promotes Firm's Brand
3. Easy Resume Search

TOOLS AND METHODOLOGIES

NODE.JS

Now we will be describing all the languages, platforms tools and technologies are used in order to complete this project. 2.1 Node JS What is Node.js? Node.js is a server-side platform built on Google Chrome's JavaScript Engine (V8 Engine). Node.js was developed by Ryan Dahl in 2009 and its latest version is v0.10.36. Node.js is an

open source, cross-platform runtime environment for developing server-side and networking applications. Node.js applications are written in JavaScript, and can be run within the Node.js runtime on OS X, Microsoft Windows, and Linux. Node.js also provides a rich library of various JavaScript modules which simplifies the development of web applications using Node.js to a great extent. Node.js = Runtime Environment + JavaScript Library 12

Features of Node.js: Following are some of the important features that make Node.js the first choice of software architects.

1. Asynchronous and Event Driven- All APIs of Node.js library are asynchronous, that is, nonblocking. It essentially means a Node.js based server never waits for an API to return data. The server moves to the next API after calling it and a notification mechanism of Events of Node.js helps the server to get a response from the previous API call.
2. Very Fast- Being built on Google Chrome's V8 JavaScript Engine; Node.js library is very fast in code execution.
3. Single Threaded but Highly Scalable- Node.js uses a single threaded model with event looping. Event mechanism helps the server to respond in a non-blocking way and makes the server highly scalable as opposed to traditional servers which create limited

threads to handle requests. Node.js uses a single threaded program and the same program can provide service to a much larger number of requests than traditional servers like Apache HTTP Server.

4. No Buffering – Node.js applications never buffer any data. These applications simply output the data in chunks.

5. License – Node.js is released under the MIT license

Who uses Node.js? Node.js is used by eBay, General Electric, Go Daddy, Microsoft, PayPal, Uber, Wiki pins, Yahoo!, and Yammer to name a few. Projects, Applications, and Companies Using Node.

EXPRESS

Express is a minimal and flexible Node.js web application framework that provides a robust set of features to develop web and mobile applications. It facilitates the rapid development of Node based Web applications. Following are some of the core features of Express framework –

- ❑ Allows setting up middleware's to respond to HTTP Requests.
- ❑ Defines a routing table which is used to perform different actions based on HTTP Method and URL.
- ❑ Allows to dynamically rendering HTML Pages based on passing arguments to templates.

\$ npm install express --save The above command saves the installation locally in the node modules directory and creates a directory express inside node modules. You should install the following important modules along with express – Body-parser – This is a node.js middleware for handling JSON, Raw, Text and URL encoded form data. Cookie-parser – Parse Cookie header and populate req.cookies with an object keyed by the cookie names. Multer – This is a node.js middleware for handling multipart/form-data

MongoDB

MongoDB is an open-source document database and leading No SQL database. MongoDB is written in C++.

This tutorial will give you great understanding on MongoDB concepts needed to create and deploy a highly scalable and performance-oriented database.

Audience This tutorial is designed for Software Professionals who are willing to learn MongoDB Database in simple and easy steps. It will throw light on MongoDB concepts and after completing this tutorial you will be at an intermediate level of expertise, from where you can take yourself at higher level of expertise.

Prerequisites Before proceeding with this tutorial, you should have a basic understanding of database, text editor and execution of programs, etc. Because we are going to develop high performance database, so it will

be good if you have an understanding on the basic concepts of Database (RDBMS).

ANGULAR

Angular is an application design framework and development platform for creating efficient and sophisticated single-page apps.

These Angular docs help you learn and use the Angular framework and development platform, from your first application to optimizing complex single-page apps for enterprises. Tutorials and guides include downloadable examples to accelerate your projects.

CONCLUSION AND FUTURE SCOPE

Internet has created to become a popular advantage to most organizations and companies. Many companies have designed websites to be used to advertise their jobs. It came to my awareness that a portal can be far better to use in job advertisement than websites because a portal can be a gateway to access website information whereas a website just displays online content. A portal improves functionality and flexibility to cater for various classes of users. Many

companies have realized the need to change employment or recruitment process in order to cope up with the increasingly changing technology and the large number of job seekers. The internet therefore has become a popular way to recruit people. The Human Resource Information System (HRIS) is a system which has been used previously to manage employees. The efficiency and effectiveness of the Human Resource Information System enables staff to format their profile, strengths and weaknesses(Rawat,2010).When such a system is used it is easy to have the quality personnel in the right place. So in end i want to say that by using internet we can also provide jobs to other and we also get hire.

THANK YOU!!

BY –KRISHNA GOSWAMI