SECTION-B

3.

a) I find Functional-Testing is the Crucial Page In Frugal Testing Website Because It has Lot Of Details Explaining the workflow of the Functional Testing

Services Like which type of testing Frugal Testing Company will do and it is main for the company as these functionalities will be done by company. And this Functional-Testing Page is Main Soul of the Website like Users can be selected

Their Required Category Of Testing Required and work Accordingly.

b) Case Study of Response Time of <1 second For 95% Transactions.

I find this Case study is Most Valuable Because Because their Key challenge is to keep transactions less than 1 second and it is the Leading Fintech Firm So Customers were very high and challenge is server will be hosted on Singapore and workload of 200000 concurrent users load, The way frugal testing handled the situation is very good and kept a team explaining the vulnerability caused Recommendations to get rid off them.

The Key Factors they faced mainly are Slow DB Queries Low server Capacity and Blocked by External Server. And using AWS External services and MYSQL DB

application server performance was analyzed to identify optimizations via thread, memory and connection pool management.

4.

Main Reasons To join in this internship is Iam really good at Debugging Skills and Really Interested to solve the challenges and really good enthuaist in automation where used to run create applications accordingly.

I Would like to Experience new skills By Joining in this company and developing my skills from Basic level to application to customers where ill be satisfied as our application will be Tested by Real world application like working AWS,python,MYSQL DB and I would like to explain it to the real world users and Expertise in this Technologies.

5.

There are many situations where I worked under pressure some of them are

I Joined an internship where my my mainstream was Python but there I should work up on Java reactJS Machine learning Models.where iam completely new to this Technologies and I need to complete the fullstack payment application for users due date and print invoices for the user and through learning online through many errors and workflow to learn I managed the task very well and I got good appreciation from Moderator that application was very great and functionalities were perfectly great

SO I don’t know how iam going to complete the task but ill definitely do it and u can completely rely me on work and make sure u believe it was accomplished successfully and through any challenges iam going to work upon the things before Submission Date without any delay.

6.

My Strength is hardwork with smart thinking where I used to think logically upon the idea and work up on the application through technologies and learn them hardly.I would like to work up on my Ability to make decisions and Management Skills and now iam working to tackle these situations using Meditation and think wiser in hard situations and Managing is iam improving with oral sessions with friends as a practice and joining multiple sessions in other oraganisations as a lead.

7.

In a company I believe that work culture and environment is main reason for success of company in future as we need to have some productuctive teams where iam open to learn any new technologies and will be by some peers of company who are good at that technology and I would excel skills and having fun sometimes will refresh minds and helps us to think logically and overcome the problem statement and come up with solution so that it would be for company even in long growth of company.i would add more value to productivity to company with new logical ideas.

8.

My Vision in my life is to take a leadership and managing the projects and discuss with the peers for problem statement and I having a good position in Frugal testing where I ll be managing the with new logical ideas to work on flow of problem and brining new candidates with highly required skills for company and accordingly ill hire them and teach them workflow where it will be more productive for company.

9.

The gap between supply and demand is fast increasing. This discrepancy has started to reflect in the increasing costs of electronics, longer waiting time, unavailability of goods and so on. Stockpiling might have saved smartphones from being ravaged but the shortage has greatly affected the automobile sector.

Chip demand for both devices and data centers shot up in 2020 and 2021. The pandemic caused PC sales to rise by more than 50% year over year in early 2021,

2. while cloud computing data center chip purchases went up by 30%.

3 . Although growth in both areas slowed a little in 2021’s later months, demand in 2022 is predicted to stay well above long-term trends.

10

a)LinkedIn Profile Link:

<https://www.linkedin.com/in/bhanu-pradeep/>

b)Graphical user interface, text, application, email

Description automatically generated

c.

Hacker Rank: <https://www.hackerrank.com/bhanupradeep1231>

Github: <https://github.com/Bhanu-28>

11.

gives a summary of all the tests conducted during the software development life cycle, it also gives a detailed analysis of the bugs removed and errors found .

Like in this work I have I have provided a screen shot of log files where it will show where error came at which line and tells whether it is executed or not and give us correct solution. Log files can be productive as we cant work up on whole code if any error we can find which line causes error so it will be track of code

And maintain code for productivity.

12.

type of software testing in which a software or application is tested using random inputs with the sole purpose of trying and breaking the system. It is called Monkey Testing main purpose of it providing various inputs and check whether it is giving correct output or not so it is main thing for tester before deploying to the production.

13.

1. Login and access to AWS services.
2. Choose AMI.
3. Choose EC2 Instance Types.
4. Configure Instance.
5. Add Storage.
6. Tag Instance.
7. Configure Security Groups.
8. Review Instances.

14.

* Plan: Recognize an opportunity and plan a change.
* Do: Test the change. Carry out a small-scale study.
* Check: Review the test, analyze the results, and identify what you've learned.
* Act: Take action based on what you learned in the study step.

15. string = "Welcome to Frugal Testing";

print("Duplicate characters in a given string: ");

for i in range(0, len(string)):

count = 1;

for j in range(i+1, len(string)):

if(string[i] == string[j] and string[i] != ' '):

count = count + 1;

#Set string[j] to 0 to avoid printing visited character

string = string[:j] + '0' + string[j+1:];

if(count > 1 and string[i] != '0'):

print(string[i]);

16.

Minimize Http Requests

An HTTP request is made for each one of these elements, so the more on-page components, the longer it takes for the page to render. So Ill first to this step

Use asynchronous loading for CSS and JavaScript files

If your scripts load synchronously, they load one at a time, in the order they appear on the page. If your scripts load asynchronously, on the other hand, some of them will load simultaneously.

Loading files asynchronously can speed up your pages because when a browser loads a page, it moves from top to bottom.

Reduce server response time

One of the biggest factors in how quickly your page loads is the amount of time your DNS lookup takes.

17.

we will talk about the load average output of a server that has a single core processor.

A single core processor is like having a single line of customers waiting for their items to be billed at a grocery store. During peak times, the queue can get long and the waiting time can be high.

One of the most important factors that restaurant managers and cashiers need to consider when it comes to recording the waiting time is the number of people that they have to wait for. If there are no customers in the queue, then the wait time is low. On the other hand, with a long line of people, the wait time is high.

load average is the average system load on a Linux server for a defined period of time. In other words, it is the CPU demand of a server that includes sum of the running and the waiting threads.

At first, this extra layer of detail seems unnecessary if you simply want to know the current state of CPU load in your system. But since the averages of three time periods are given, rather than an instant measurement, you can get a more complete idea of the change of system load over time in a single glance of three numbers

The words “single processor system” are incredibly important here. Unless you’re running an ancient computer, your machine probably has multiple CPU cores. In the machine I’m on, I have 16 cores:

* If the averages are 0.0, then your system is idle.
* If the 1 minute average is higher than the 5 or 15 minute averages, then load is increasing.
* If the 1 minute average is lower than the 5 or 15 minute averages, then load is decreasing.
* If they are higher than your CPU count, then you might have a performance problem (it depends).

 Load average is an average system load measured on a provided time of 15, 5, and 1 minute

The uptime or the top command will typically facilitate the load average of our server along with result that looks like below:

These numbers are the system load averages over a time of fifteen, five, and one minute. Before continuing with how to measure the output of the system load average and what all of the values mean, we should provide a simple example, i.e., a server using one core processor.

 the Load Average in Linux, we need to know what do we define as load. In a Linux system, the load is a measure of CPU utilization at any given moment.

It refers to the number of processes which are either currently being executed by the CPU or are waiting for execution.

An idle system has a load of 0. With each process that is being executed or is on the waitlist, the load increases by 1.

Load average, as the name suggests, depicts the average load on a CPU for a set time interval. These values are the number of processes waiting for the CPU or using it in the given period.

While most people are used to the load percentages shown in Windows systems, Load Average in Linux is depicted as three different decimal values.

19.

A.ii)

B.i)

C.i) I would like to loyal to company and be in same company so that my ideas will help with productivity of company.

D.ii)everything should be spontaneous and will be come to us with our hardwork.

**Thank you**

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