COIMBATORE INSTITUTE OF TECHNOLOGY

(GOVERNMENT AIDED AUTONOMOUS INSTITUTION)

CIVIL AERODROME POST, COIMBATORE-641014.

PLACEMENT AND TRAINING CELL

PLACEMENT YEAR 2020-2021

NAME	:	ROOPESH V S
ROLL NUMBER	:	1631042
DEPARTMENT	:	M. Sc. Software Systems
EMAIL ID	:	txtmeroopesh@gmail.com
CONTACT NUMBER	:	8754875813
COMPANY NAME	:	Coda – A Presidio Cloud Company
COMPANY TYPE	:	CORE
JOB DESIGNATION	:	Cloud Engineer - Trainee
SALARY (CTC)	:	6.1 LPA
INTERN OFFERED ?	:	YES
BOND	:	NO
HAVE YOU PLACED ?	:	YES

COMMENTS ON SELECTION PROCESS:

The whole selection process was carried out online.

ROUND 1:

- 35 MCQs in 40 minutes
- Platform: ClassMarker. No negative marking. Can flag and switch between questions. Switching Questions does take a couple of seconds to load, which can be overwhelming and annoying for a test.
- Few questions can have multiple right answers. Questions have different weightages based on difficulty. Questions ranged over a variety of logical reasoning & computer basics – Programming (loops and output questions from C++ & JAVA – but can be read and understood easily without prior expertise), OS, and OOPS concepts.

Have you cleared the round? YES

ROUND 2:

- Programming Round. Focused parsing and using data from APIs. 55 Students were shortlisted from the previous round.
- Platform: ClassMarker. No language restrictions. Time Limit: 1 hour.
- Involved creating a program and uploading it to AWS S3 storage. ACCESS KEY and SECRET KEY were provided.
- No online IDE was provided. Have to use our own development environment and provide instructions on how to run the code in their system.

Have you cleared the round? YES

Details about Questions on 2nd round:

QUESTION DOMAIN	QUESTION	SOLUTION / HOW DID YOU APPROACH
Web Development	COVID19 API Documentation was given. https://documenter.getpostman.com/view/10808728/SzS8rjbc?version=latest a. Given 5 countries, fetch each countries' list of corona cases during Apr'2020 and Aug'2020 and write them to individual JSON files. b. Parse and find list of deaths in India during Jul'2020 and Aug'2020 c. Find out the top 3 most affected countries based on currently active cases in each of the country	It is mostly about finding the right API from the list of APIs, querying them appropriately, and parsing them as required. Used requests and json package in Python.
Cloud Computing	Upload the program from the above task in an S3 Bucket.	Use AWS Management Console or AWS CLI to carry out the task.

ROUND 3:

- Technical Interview. Platform: Zoom. 2 Interviewers. The interviewers took turn in interviewing from different topics. 15 Students were shortlisted from the previous round.
- Started off with self-introduction. Followed by basics from Data Structures – Array vs Linked List, Stacks, Queues, Linked Lists (and its types), Hashing and Hash-tables. Operating Systems – Memory Management (Stacks, Heaps). OOPS concepts. Databases – SQL queries. LINUX commands.
- Was queried with every single word in Resume and follow-up questions were asked based upon my answers. Started with Python-specific questions. Followed by different AWS services, Docker, SQL vs NoSQL, Horizontal vs Vertical Scaling, Sharding, Procedural vs OOPS, REST vs GraphQL, Web Scraping, Continuous Integration & Deployment, Experience hosting and deploying applications in AWS and Heroku.
- Was asked to show a couple of my projects, and open source contributions. Code & Demo.
- The interview was pretty intensive and clocked 1 hour and 15 minutes. All these rounds took place on Day 1 as well.

Have you cleared the round? YES

Details about Questions on 3rd round:

QUESTION DOMAIN	QUESTION	SOLUTION / HOW DID YOU APPROACH
Database Management	Write an SQL query to query a Students table to return the last 5 rows based on total marks.	SELECT * FROM STUDENTS ORDER BY TOTAL MARKS DESC LIMIT 5
Operating Systems	Linux Command to get the name of Operating System	uname –r
Cloud Computing	What is AWS Route 53?	DNS service offered by Amazon
CI/CD	How to configure Travis CI for Continuous Integration through Git?	Using a .YAML configuration file at project root

ROUND 4:

- There are two parts to this round. First part - A couple of tasks will be assigned that has to be carried out. Second part – Review of these tasks. 6 Students were shortlisted from the previous round
- At the end of day 1, shortlisted students from Round 3 were given 2 tasks to be completed within a day and a half's time.
- The tasks were curated and customised based on the individual skillset of the candidates. Tasks seemed to follow this pattern. One task that you should be able to do with skills and technologies you already have or know. Another task that involved learning a new technology. Doing these tasks easily becomes the best part of the process.
- My first task was to write a Python script that does a set of operations over the AWS VPC. The second task involved writing a Terraform template to do a set of operations over the AWS VPC. ACCESS KEY, SECRET KEY, and SECURITY TOKEN to their VPC was shared as a SSO.
- The tasks are detailed and imperative. Was also required to update tasks' progress through mail from time to time. Was welcomed to approach the company over doubts or issues. Can use the internet. Was able to complete the tasks before time.
- The Task Review was again with 2 Individuals. Platform: Zoom. Was required to read and explain the task first, then walk-through the code for the same line-by-line – during which they

would interrupt and ask you questions on your approach and also check if you have an understanding of what you've done – from inbuilt functions used to exceptions/edge-cases handled, then run the application to show appropriate outputs.

- I was given a slight change in requirements and was asked to modify the code to suite the change. Was able to do it.
- The review as it approached a close, became almost another Technical interview with questions especially from the domains – Cloud & Networking. Was not able to answer all the questions, but the interviewer asked follow-up questions to the questions I missed that helped me arrive at appropriate answers he was finally satisfied with.
- This part was the most intensive, with me walking through almost every word of the 310 lines of code written as part of the task. Clocked 1 hour and 45 minutes.

Have you cleared the round? YES

Details about Questions on 4th round:

QUESTION DOMAIN	QUESTION	SOLUTION / HOW DID YOU APPROACH
Cloud Computing, Automation Scripting	User should be given four choices. a. Get all running t2.micro instances name, id, attached volumes, created time, instance state and write them to a CSV file with today's date in the file name in mmyydd format. b. Get all attached volumes' name, id, size, created time, attached instance id and write them to a CSV file with today's date in the file name in mmyydd format. c. Create a private S3 Bucket with current date and timestamp as the name of the bucket and check if the CSV files from previous subtasks have been generated. If not, carry out subtasks (a) and (b), then send them to the bucket. d. Make sure the S3 Bucket is encrypted.	- Setup AWS Credentials as a configuration file. - Use boto3 package. - Setup session and client. - describe_instances() and describe_volumes() return required fields for tasks a and b. - Used python's inbuilt csv and datetime functions as required. - Create bucket with ACL set as 'private'. Check if the file exists using os.path.isfile(). Send the file using s3.meta.client.upload_file() - Check and apply encryption using the low-level API put_bucket_encryption() - Documented, commented, and followed exception handling throughout the code. - Modularised into functions and helper functions to remove redundant codes. - During the review, I was asked to change the date formats, print all attachments instead of one, given invalid bucket names and find out why it was invalid. I was able to fix them on-the-go because of the loosely-coupled functions.
Cloud Computing, Automation Scripting	Write a Terraform template to do the following: a. Create a t2.micro EC2 instance in the AWS VPC in any available public subnet b. Create a new security group to expose the port 80 to the world and 22 to your public ip c. Create an S3 bucket with lifecycle policy and encryption enabled also to expire the objects in 30 days	- Terraform is an automation tool that uses a declarative language called Hashiform Configuration Language. - Learnt Syntaxes. - Followed IaaS tutorial from the Terraform site that uses AWS.

d. Create an RDS MySQL micro instance in any of the private subnet and update the rds security group to allow the requests from the earlier created EC2 instance's security group. So, we can make sure the connectivity from EC2 instance to this RDS while we host any application.	- Terraform is open-source, its GitHub repository is filled with examples that came in pretty handy. - Since the language is very human-readable, configuring for our use-case after going through the documentation and tutorial seemed easy. - During the review, questions were asked from the Terraform code and related networking questions from Subnets, Private IPs to Ports, and SSH

AREAS TO PREPARE:

- Basics across Computer Science Domains – Database Management, Computer Networks, OOPS, OS, and Data Structures.
- Parsing APIs

SITES / BOOKS YOU SUGGEST FOR PREPARATION FOR THE PROCESS:

- GeeksForGeeks

OVERALL EXPERIENCE:

The overall process exceeded expectations. Although the first 3 rounds were packed in one day followed by a task, the individual rounds were crafted not only as a filter but also as a continuous assessment of the candidates. Interviewers were helpful and were easy to connect with. Custom-made tasks w.r.t skillsets was an icing on the cake. Tasks were given the right amount of time to complete. Tasks were scrutinized and reviewed thoroughly. Results were announced in short periods.

GENERAL TIPS:

- Be strong in CS Fundamentals. Being able to explain them in simpler ways is appreciated.
- Proficient in at least one programming language
- Know each and every word in your Resume.
- Interviewers are keen on asking questions from what you say. So mind that. You can use that to your advantage!
- Hands-on experience with AWS or any other cloud infrastructure is a plus.
- Be ready with a couple of projects that you can showcase.

PLACEMENT AND TRAINING CELL

PLACEMENT YEAR 2020-2021

NAME   : Guru Prasad

ROLL NUMBER   : 1631016

DEPARTMENT   : Computing Department

EMAIL ID   : rishi98kesh7@gmail.com

CONTACT NUMBER   : 9791898025

COMPANY NAME   : Coda – Global

COMPANY TYPE   : CORE

JOB DESIGNATION   : Cloud Engineer - Trainee

SALARY (CTC)   : 6.1 LPA

INTERN OFFERED ?   : YES

BOND   : NO

HAVE YOU PLACED ?   : YES

(Please comment this section __in detail__ to guide your juniors in bright way)

COMMENTS ON SELECTION PROCESS :

ROUND 1 : Online Assessment

Questions were given on various topics. The questions were more or less simple but time was not that sufficient. 35 Questions in 40 minutes, Questions have different weightages based on difficulty
Programming Concepts like what is the output of the given snippet
General Aptitude
Logical Reasoning
Operating Systems
Computer Networks

Have you cleared the round : YES

ROUND 2 : Programming Task

- For this round, I was given a API programming task to complete within an hour. No language restrictions.
- First, I was asked to use a given set of APIs and download some data. Then the second part involved uploading the downloaded data to AWS S3 storage.
- Use own local IDEs and also provide instructions on how to run the code in their system.

Have you cleared the round : YES

Details about Questions on 2nd round:

QUESTION DOMAIN	QUESTION	SOLUTION / HOW DID YOU APPROACH
Web development	Download photos using the NASA APIs for a specific set of queries like month or time	Have to read the API documentation carefully and find out how to get the correct data
Web development	Create a CSV file about the upcoming launches from NASA from their APIs	Then its as simple as accessing the endpoints and saving the results returned ffrom the APi

ROUND 3 : Technical Interview

This round was for testing my general knowledge in various computer science concepts. Was asked a lot of questions on various different domains related to CS like Array vs Linked List, Stacks, Queues, Linked Lists (and its types), Hashing and Hash-tables. Operating Systems – Memory Management
OOPS concepts. Databases – SQL queries. SQL vs NoSQL. LINUX commands.
Was also quizzed on my experience with Cloud solutions like AWS and was asked to give solutions to specific problems on S3 and Cloudfront.

Have you cleared the round : YES

ROUND 4 : Assignment / Task

This round involved completing two tasks which are given based on what is mentioned in your resume and also based on your interview answers in the previous round. All shortlisted candidates received a different set of tasks based on their own strengths and weaknesses.

Time given: 1 day. The tasks usually involve incorporating cloud based solutions for your already existing project or to write automation scripts using a new tool / framework to deploy applications to cloud

After the given duration, a review discussion was conducted which included questions solely based on the task given to you. Was asked to try different implementations of the task and show the output. This discussion lasted more than an hour

Have you cleared the round : YES

Details about Questions on 4th round:

QUESTION DOMAIN	QUESTION	SOLUTION / HOW DID YOU APPROACH

Cloud	**AWS:**
	   - Provision two EC2 Linux instances (t2.micro) in us-east-1 region
	   - Install and configure node js and related softwares in the machine
	   - Create a public load balancer to accept the requests for node js and add the above two instances to the load balancer
	   - Host your hangman game application in the ec2 instances
	   - Share the Load balancer domain name to us, with that we should be able to access your hangman game.	

Automation scripting	**Ansible:**
	   Perform the above task that you have done manually using ansible role. Create an ansible playbook to do the following operation.
	   - Provision two EC2 linux instances (t2.micro) in us-east-1 region
	   - Install and configure node js and related softwares in the machine
	   - Create a public load balancer to accept the requests for node js and add the above two instances to the load balancer
	   - Host your hangman game application in the ec2 instances
	   - Share the Load balancer domain name to us, with that we should be able to access your hangman game.	

AREAS TO PREPARE :

AWS and Networking
REST APIs
Concepts in DBMS and OS

SITES / BOOKS YOU SUGGEST FOR PREPARATION FOR THE PROCESS :

1. geeksforgeeks.com

OVERALL EXPERIENCE :

The overall experience of the process was very smooth and good. The Interviewers were very friendly and helped where they could. The tasks were customised to each candidate and was given enough time to complete. The process tested my knowledge across various domains and it was very thorough.

GENERAL TIPS :

- Good understanding of fundamental / basic concepts
- Be confident in answering every question.
- Experience with AWS is an advantage
- Should be able to explain your projects clearly

PLACEMENT AND TRAINING CELL

PLACEMENT YEAR 2020-2021

NAME   : Santhosh Madhavan K

ROLL NUMBER   : 1631045

DEPARTMENT   : M.Sc (Software Systems)

EMAIL ID   : santhoshmathavan199@gmail.com

CONTACT NUMBER   : 9095187660

COMPANY NAME   : CODA GLOBAL

COMPANY TYPE   : CORE

JOB DESIGNATION   : Cloud Engineer

SALARY (CTC)   : 6.1/7 LPA

INTERN OFFERED ?   : YES

BOND   : NO

HAVE YOU PLACED ?   : NO

*(Please comment this section **in detail** to guide your juniors in bright way)*

COMMENTS ON SELECTION PROCESS :

The whole selection process was carried out online.

ROUND 1 : Online aptitude test
- 35 MCQs in 40 minutes
- Few questions can have multiple right answers. Questions have different weightages based on difficulty. Questions ranged over a variety of logical reasoning & computer basics – Programming (loops and output questions from C++ & JAVA – but can be read and understood easily without prior expertise), OS, and OOPS concepts.

Have you cleared the round : YES

ROUND 2 : Long-Coding round
- 1 Question in 1 hour
- No language restrictions and no online IDE provided. Need to write our code in the code space given.

Have you cleared the round : YES
Details about Questions on 2nd round:

QUESTION DOMAIN	QUESTION	SOLUTION / HOW DID YOU APPROACH
Application development	Design and develop a Flight Reservation System	Language Used: C++ Created a user defined data structure to store the user data. Created separate functions for the system Like Book ticket,Check available ticket,Flight check.

ROUND 3 : Technical Round
- Platform : Zoom 2 Interviewers.
- Started with a self-Introduction. Asked questions on my resume certifications. I mentioned Golang certificate in my resume so asked me to write a hello world program in golang. Online compilers can be used.
- Asked to write a program in C++ and next asked to change the program to python. Followed by some AWS questions like (What is AWS?, What is S3 bucked?)
- Interviewer allowed me to Google for the Cloud Task.

Have you cleared the round : YES
Details about Questions on 3rd round:

QUESTION DOMAIN	QUESTION	SOLUTION / HOW DID YOU APPROACH
C++	Implement a list and write values to the list.	Implemented list using STL.

Cloud	Write a Python Script to implement a list and write values to it. Write a list to the text file and store the file in the AWS S3 bucket. Given ACCESS AND SECRET KEY.	Imported boto3 package and used the boto3 functions to complete the task. NOTE:CAN USE GOOGLE

ROUND 4 :
- There are two parts to this round. First part - A couple of tasks will be assigned that has to be carried out. Second part – Review of these tasks.
- At the end of day 1, shortlisted students from Round 3 were given 2 tasks to be completed within a day and a half's time.
- The tasks were curated and customised based on the individual skillset of the candidates. Tasks seemed to follow this pattern. One task that you should be able to do with skills and technologies you already have or know. Another task that involved learning a new technology. Doing these tasks easily becomes the best part of the process.
- AWS credentials were given.

Have you cleared the round : NO
Details about Questions on 4th round:

QUESTION DOMAIN	QUESTION	SOLUTION / HOW DID YOU APPROACH

C++	Write a c++ application for the conference booking system with any database that you are comfortable as backend: (Ex: MySQL, Postgresql)
	    a. list all the conferences available from all cities by default (we should be able to list based on the city as well if we specify the city)
	    b. Check for the availability for the conference tickets on a particular city
	    c. Check for the availability of the conference based on the technology/domain (Example: java, devops, docker, aws, etc.,)
	    c. Purchase the conference ticket max up to 2 per transaction
	    d. Cancel the conference ticket anytime before 12 hours of the conference start time
	    e. Manage conferences (add conference, delete, update conference details)
		- Created a EC2Instance and Loaded with Linux.
		- Imported the devtools in the linux machine
		- Launched RDS in AWS and Connected it using MySQL workbench.
		- Connected with the RDS database with the RDS endpoint in the C++.
		- Developed a GUI for all the queries.
		- MySQL stored procedures for queries given
		- Asked to make some changes in the existing code.

AWS	Setup a AWS Lambda function using python script to do the following tasks:
	        a) Look for the change in the "state" of the EC2 instances in us-east-1 region and write the details as comma seperated values (instances name, instance id, attached volume name, attached volume id, volume size, created time, instance state) to a csv file and copy to the s3 bucket called "santhosh-coda-assignment-xmsa"
	        b) Write another lambda function in python script to get the list of running ec2 instances which are created on the day and send the details
		-Imported boto3 package
		- Cloudwatch to get the state change of EC2 instances
		-Lambda with python barebone function and implemented the necessary functions to get the instance details.
		- Instance details are written into the CSV files and uploaded into the S3 bucket.

	(instance_id, instance_name, created_time) to a dynamodb table at 10AM every weekday.	-Referred boto3 documentation - Asked to make some changes in the existing code.

AREAS TO PREPARE :

Be strong in
- the resume
- Computer science fundamentals (Data Structures,OOPS,DBMS)

SITES / BOOKS YOU SUGGEST FOR PREPARATION FOR THE PROCESS :

- GeeksForGeeks
- IndiaBix

OVERALL EXPERIENCE :
 First 3 rounds packed in one day followed by the task. The technical round tested the coding the skills of the individual. And the final rounds task were reviewed thoroughly by line by line explanation of code.

GENERAL TIPS :
- Be strong the CS fundamentals and proficient in at least one programming language.
- Be strong in your resume.
- Experience with AWS services is an added advantage.

PLACEMENT AND TRAINING CELL

PLACEMENT YEAR 2020-2021

NAME   :   RAMYA A

ROLL NUMBER   :   17 07 043

DEPARTMENT   :   B.Tech IT

EMAIL ID   :   ramyaarumugam511@gmail.com

CONTACT NUMBER   :   9123576036

COMPANY NAME   :   CODA - A PRESIDIO CLOUD COMPANY

COMPANY TYPE   :   CORE

JOB DESIGNATION   :   PRODUCT ENGINEER

SALARY (CTC)   :   6.1/7.5 LPA

INTERN OFFERED ?   :   NO

BOND   :   NO

HAVE YOU PLACED ?   :   NO

*(Please comment this section **in detail** to guide your juniors in bright way)*

COMMENTS ON SELECTION PROCESS :

ROUND 1 :   ONLINE TEST   -   35 MCQ
            40 MINS   -   9.00 TO 9.40AM
            55 Students   -   SHORTLISTED

        The MCQs included various domains which mainly contained OS, RDBMS,DS,C
Programming ,OOPS,ClOUD and NETWORKS atleast 2 or 3 from each of the domains.

 Have you cleared the round : YES
Details about Questions on 1st round:

QUESTION DOMAIN	CONCEPTS
OS	Linux commands, Process Scheduling, Shell scripring
RDBMS	Basics, SQL queries
DS	Algorithm Time and space complexities
C	Simple Code Snippets
OOPS	Java Code snippets-Inheritence, friend keyword
CLOUD	Basics, Virtualization
NETWORKS	Subnetting (almost 4 MCQs)

ROUND 2 :   PROGRAMMING CHALLENGE   -   2 Coding Questions
            1 HOUR   -   11.00 TO 12.00 AM
            15 Students   -   SHORTLISTED

  ➢ Any language
  ➢ Can be compiled in our own local machine and can be pasted in the respective coding area with
some simple documentation explaining our approach.

  QUESTION 1:
  ➢ They provided the link of the NASA API Documentation
  ➢ Also, they've given link to register and create our own API key which will be used to fetch the
required results directly from the NASA repository.
  ➢ If you have Hands On experience with this documentation, it will be easy to understand the terms
such as API key.
  ➢ I have also provided below the links if you like to have Hands On experience in it.

     ✓ NASA API DOCUMENTATION -
       https://documenter.getpostman.com/view/35240/SVmtxerV?version=latest

     ✓ API KEY GENERATION - https://api.nasa.gov/#signUp

  QUESTION 2:
  ➢ For this question, they have provided 2 AWS API KEYS - ACCESS KEY, SECRET KEY.

Have you cleared the round : YES
Details about Questions on 2nd round:

QUESTION DOMAIN	QUESTION	SOLUTION / HOW DID YOU APPROACH
1. NASA API	To implement given 3 queries using NASA API Documentation.	I used C#/.NET to fetch the records from the NASA documentation and display the respective result
		To get each query result, the respective URL will be appended with our API key and linked to the C# code to display the result and I have returned all 3 results.
2.AWS	Push NASA API data and images from the previous program to a bucket using AWS SDK or API or CLI	Solving any one of the question will help you to clear the round. For me, both questions are completely new domain and I learnt them as I solved them. Hence the curiosity to learn new things will always be great and beneficiary.

ROUND 3 :   TECHNICAL INTERVIEW   -   2 INTERVIEWERS
            1 HOUR   -   2.45 TO 3.45 PM
            6 Students   -   SHORTLISTED

Heree, questions from the basic concepts were asked and the main aim of this interview is to check whether one is clear with the basic concepts in DS, DBMS, Networking, Cloud and OS.

Have you cleared the round : YES

ROUND 4 :   ASSIGNMENT ROUND   -   2 INTERVIEWERS
            7 TO 9 PM(primary checking)   and after they gave 1 full day
            REVIEW   - MONDAY 8AM.
6 Students   -   SHORTLISTED

Here, 2 questions were given as a task and asked to complete with a time limit of one day and also they asked to update of 3 hours work which we have done the previous day from 7 pm to 10 pm.

Have you cleared the round : NO
Details about Questions on 4th round:

QUESTION DOMAIN	QUESTION	SOLUTION / HOW DID YOU APPROACH
C++, MySQL	A Movie booking C++ application to perform the given set of 5 functions and connect it with mySQL DB to perform those queries.	I have done the application and used mysql to connect them in linux environment
AWS,Docker	They provided a AWS account credentials and asked to create 2 dockers,one for C++ appln and the other for mysql DB and then push the output to the AWS.	I have created docker file and image for C++ appln and a makefile to compile them, and Sql

		file with query statements and docker file for that DB creation.

AREAS TO PREPARE :

1. OS
2. RDBMS
3. DS
4. C Programming
5. OOPS
6. ClOUD
7. NETWORKS
8. An Hands on experience in AWS will be good, as they give more weightage to that.

SITES / BOOKS YOU SUGGEST FOR PREPARATION FOR THE PROCESS :

1. AWS tutorial(includes docker)
2. Any standard websites that explains Linux platform.

OVERALL EXPERIENCE :
It was good and great that I've learnt more on AWS and had Hands on with it.

GENERAL TIPS :
Make the Interviewers understand that you are always open and enthusiastic to learn new concepts.

PLACEMENT AND TRAINING CELL

PLACEMENT YEAR 2020-2021

NAME   : SINDHUJA N

ROLL NUMBER   : 1707051

DEPARTMENT   : INFORMATION TECHNOLOGY

EMAIL ID   :nsindhujatrk@gmail.com

CONTACT NUMBER   :8870323183

COMPANY NAME   :CODA GLOBAL

COMPANY TYPE   : CORE

 JOB DESIGNATION   : Cloud Engineer-trainee

SALARY (CTC)   : 7.5 CTC

INTERN OFFERED ?   : NO

BOND   :NO

HAVE YOU PLACED ?   : NO

COMMENTS ON SELECTION PROCESS :

ROUND 1 :
 It is an online aptitude test . There were 35 MCQ'S.
The questions were from Linux concepts, OOPs concepts, snippet programs.

 Have you cleared the round : YES
Details about Questions on 1st round:

QUESTION DOMAIN	QUESTION	SOLUTION / HOW DID YOU APPROACH

ROUND 2 :

 It is a coding round.
 They will give an application , we have to develop that application using any language.

Have you cleared the round : YES
Details about Questions on 2nd round:

QUESTION DOMAIN	QUESTION	SOLUTION / HOW DID YOU APPROACH
Coding	Conference booking application with the constrain it should take input from the csv file.	I developed a basic application using c++.

ROUND 3 : Technical HR.

It lasts about 1 hour 20 minutes, the panel consists of 3 members.

They asked questions based on area of interests that is in the resume.

Questions based on project domain.

Cloud concepts.

Have you cleared the round : YES
Details about Questions on 3rd round:

QUESTION DOMAIN	QUESTION	SOLUTION / HOW DID YOU APPROACH
Application development	Develop an application like facebook, for that which data structure will you use and find the number of friends of a person.	I provided with a graph based solution and for finding friends BFS based solution, I justified why I used that approach. They satisfied.
Cloud computing	Sevices provided by cloud. How can I integrate an application with cloud.	
Project	What are the headers used in projects, explain about the headers.(since I did project using python, they asked questions on python) Python -memory handling Tuples and list in python	
OOPS	Difference between c and c++ Inheritance,Polymorphism, Abstraction Key words- static , virtual,default.	
OS	Thread and multi threading. Data structure used inside a thread. Process scheduling and Data structure used in that.	
DBMS	Normalisation.(fully explained with example) Joins. How DS plays role in DBMS.	
Linux	Commands on linux. Windows vs linux.	

Since my area of interest is Data Structure , they integrated every question with Data structure.

ROUND 4 : Assignment Round.

It lasts for one and a half day.

Two questions were given.
   Application development- Flight ticket booking system using C++. They given a constrain that the application should be a console application, not a web application(should not use perl, php).
  Cloud application development.

Have you cleared the round : NO

Details about Questions on 4th round:

QUESTION DOMAIN	QUESTION	SOLUTION / HOW DID YOU APPROACH
Application Development	Flight ticket booking system	I did using code blocks for coding and xampp for database connectivity. They gave six queries to perform.
Cloud	They asked question to develop cloud template application in EC2 instance. They given access to use aws(amazon web service) , a cloud service provider.	Half done.

During assignment presentation, the interviewers asked to change the query according to their answers.
They suggested that working piece of code will be good for evaluation.

AREAS TO PREPARE :

Data structure.
Database Management System.
Application Development.
Cloud (basics).

SITES / BOOKS YOU SUGGEST FOR PREPARATION FOR THE PROCESS :

Jenny's Lecture. (You tube)

Leet code.

OVERALL EXPERIENCE :

HRs were friendly.

GENERAL TIPS :

Just explain the things clearly, which you know.
Don't give vague answers for unknown questions.

PLACEMENT AND TRAINING CELL

PLACEMENT YEAR 2020-2021

NAME	:	Lakshmi Narayanan SP
ROLL NUMBER	:	1807209
DEPARTMENT	:	Information Technology
EMAIL ID	:	lachu360@gmail.com
CONTACT NUMBER	:	9787672860
COMPANY NAME	:	CODA GLOBAL
COMPANY TYPE	:	CORE
JOB DESIGNATION	:	Cloud Engineer
SALARY (CTC)	:	7.5LPA
INTERN OFFERED?	:	NO
BOND	:	NO
HAVE YOU PLACED ?	:	NO

*(Please comment this section **in detail** to guide your juniors in bright way)*

COMMENTS ON SELECTION PROCESS :

ROUND 1 : The first round consists of technical questions based on Networking, Database Management System, Cloud computing, Data Structures.

 Have you cleared the round : YES

Details about Questions on 1st round:

QUESTION DOMAIN	QUESTION	SOLUTION / HOW DID YOU APPROACH
Cloud Computing		
Database management system		
Networking		

ROUND 2 : This round had 2 questions we can use any language to solve. The questions are based on API and AWS.

Have you cleared the round : YES

Details about Questions on 2nd round:

QUESTION DOMAIN	QUESTION	SOLUTION / HOW DID YOU APPROACH
API	We have to retrieve the given data from given API documentation using any programming language	
Amazon Web Services	To push data into AWS S3 bucket using API or CLI or AWS SDK.	Solved using AWS java SDK

ROUND 3 : The third round is Technical Interview 4 HRs interviewed me they are very helpful. They asked me questions on the skills I have mentioned. They asked me questions on Java, Linux, DBMS, Cloud Computing.

Have you cleared the round : YES
Details about Questions on 3rd round:

QUESTION DOMAIN	QUESTION	SOLUTION / HOW DID YOU APPROACH

ROUND 4 : In Assignment round the asked questions on our preferred domain. I got questions on AWS SDK and Jenkins. One day time was given to complete the tasks. On assignment review the HR asked to do some modifications on our assignment.

Have you cleared the round : NO
Details about Questions on 4th round:

QUESTION DOMAIN	QUESTION	SOLUTION / HOW DID YOU APPROACH
AWS SDK	Given tasks should be completed using AWS SDK	
Jenkins	Given tasks should be completed using Jenkins	

AREAS TO PREPARE :

Cloud computing
Database Management system
Networking
Core subjects

SITES / BOOKS YOU SUGGEST FOR PREPARATION FOR THE PROCESS :

OVERALL EXPERIENCE :

Overall process is good.

GENERAL TIPS :