Interview Recording Round-2 Conclusions :-

Interviewee 1 - Ketan Sahasrabudhe - Joined last year April as Associate Director for service delivery of the customers.

Interviewee 2 - Rajesh Jayaraman - Solutions Architect, working closely with Krishna for the Product team in GuideHouse. In the company from 18 months now

Interviewee 3 - Krishna Karukola -

Our Introduction - I've been working with CVS Health as a full stack python developer so I was involved in significant projects that aimed basically to develop and deploy a multitier web application to enhance various aspects of health care services that we have and the goal of this project was to improve user experience and streamline processes and also to increase operational efficiency across different departments. We required solutions to modernize their healthcare services making it more user friendly. It included mostly data processing, analytics, user interfaces and interaction with external data suppliers so i worked on this multi-tier architecture application and I've been using python, django in backend and i've also been involved with front-end where I've utilized html,CSS3, bootstrap, jquery the application's middle tier was built in MERN stack i.e mongodb, express, react and nodejs. On the back-end I've been working and designing the restful API's using django framework to facilitate the communication between different application components and we've been utilizing mongodb for the data storage and retrieval and also for optimizing data models for efficient query performance and I've also worked on implementing some business logic for user authentication, data validation and the whole application workflows. Apart from that I've also worked on microservices, api development as i mentioned. I've been involved in creating and designing restful microservices using django and creating api's for data access and again implementing data validation and error handling in API's to ensure that we have good data integrity. Apart from python and Django if i talk about Cloud, we've been extensively using AWS and i've been involved in setting up and configuring

AWS Servers. I've worked on ec-2 in RDS and we've been utilizing load balancers to distribute incoming traffic and ensure high availability of our application. Also been involved in monitoring server performance and troubleshooting some issues on the infrastructure side. Apart from all this I've also worked on CI-CD and a few of the dev-ops side of the tools that i've worked on are docker, kubernetes. So I've collaborated with devops experts as well to orchestrate container management using kubernetes and I've also developed some docker containers for our application components across different environments. I've also set-up some CI-CD pipelines using jenkins in my experience.

Question-1 What framework are you familiar with like vue.js,react?
-   I've mostly worked with react, express, and angular. If i talk about my recent experience with CVS we've been working in express, react. If I talk between angular and react then mostly in my current experience I've worked with react. If I talk about vue.js then in one of the scenarios I've worked with vue.js as well in one case where we wanted real time data updates for our analytics, The analytics team at CVS Health needed a real time dashboard to monitor healthcare data trends and i.e where the dashboard required continuous updates so for that vue.js was employed to create a dynamic and interactive dashboard that met the requirements of the analytics team so i have an exposure because we were using vue.js reactivity feature which was like leverage to automatically update the dashboard in real time as new data was ingested so we had whole customizable data display and everything so yes I'm comfortable with every framework you talked about.

Question-2 Have you developed any lambda functions in AWS using Python?
-   Yes

Question-3 What is the difference between == and === when it comes to JS?

- Both are used for comparison but "==" is used to compare values and not the type of the operands, "===" is used to compare values and type of operands both.

Question-4 What is event bubbling and event capturing and difference between them in JS?
- The innermost element's eventhandler is called first, followed by its parents and grandparents and so on so that's what event bubbling is and event capturing is the opposite of this so in this the event starts from the outermost ancestor and it travels down the tree to the target element.

Question-5 Here is the scenario where you're presented with a user or input form and you're filling in fields like firstname, last name etc. now you're typing your firstname and now what happens is that your textbox is attached to an on-change event and as you type in the on-change event is triggering multiple times, our objective is to trigger on-change only once after you're done with your first name.
- Using Debounce

Question-6 Can you explain the lifecycle of react?

Question-7 What are react hooks, have you used it, if yes then what is its use case?
- React Hooks are a set of functions. Hooks allow function components to have access to state and other React features. Because of this, class components are generally no longer needed. With CVS health we wanted a real-time dashboard to monitor the health trends and there were dynamic updates and real-time visualization. We had customizable widgets based on user preferences so react hooks we used for creating sophisticated real-time analytics dashboard that really met the needs of the team and also particularly to manage complex state like we use you state basically to manage complex state associated with the analytics dashboard and each widget on the dashboard has its own state like data dimensions, time intervals and visualization types so by using multiple instances of the use state

hooks the state for each widget was being isolated and then it was updated independently and for real time update we used useEffect hook as the new data was arriving.