Lumel Technologies

Role: Product Developer - Intern, with possibility of FTE offer on successful completion of 3 months internship.

Compensation Details:
- CTC starting 5 LPA (based on intern performance, a higher CTC may be offered)
- Stipend during internship: Rs 20,000 per month

About the Internship:

If selected, they will ask you whether you want to work in a Frontend role or Backend role. You will work as an intern in the Product Development team for a maximum period of 3 months, although conversion to FTE role can happen as early as the end of the first month, based on your performance.

As an intern you will get the opportunity to contribute to their innovative products and possibly help build new features for them.

Currently, Lumel is using **Node.js** and **Rust** for their backend and **React.js** for their frontend, but they are in the process of transitioning their backend to **Golang** (programming language).

So if you want to work in backend development, you need to learn Golang. Familiarity or knowledge of Node.js is also preferred.

If you are interested in the frontend development role, then you should be skilled in React.js (and JavaScript).

Having **project experience** in **React.js** and/or **Node.js** will greatly help you secure this internship. Knowledge of **microservices** is also valuable.

Since Lumel's products are focused on **Data Analytics**, they also expect you to learn **MS Excel** and **Power BI** once you get selected as a Product Developer Intern.

Selection Rounds:

1. Aptitude Test
2. Coding Round
3. Technical Interview with Lumel's Director

1. Aptitude Round:

- There were 100 questions to be completed in 60 minutes. Questions included logical reasoning, quantitative aptitude, verbal ability, and English comprehension
- For my batch (April 2025), everyone who attended the Aptitude round was passed to the next round.
- According to my seniors, usually all the candidates will be able to clear the Aptitude round.

2. Coding Round:

- Second round is an **online coding test** comprising 2 questions, where one question will be Easy level and the other of Medium difficulty.
- Personally, I found both the coding questions to be easy. My peers who attended the round also found it quite easy.

Questions asked in my coding test:

1) **Find Missing Number**
   Given an array of distinct numbers ranging from **0 to n** in random order, your task is to find the missing term in the array/series.

   Note: the value of **n** is NOT given to us, so you need to first find the largest number **'max'** in the array, then determine if any terms are missing between **0** and **max**. if yes, then that missing number is returned, otherwise if no missing terms are found then that means **n** itself is the missing value so return max + 1 as the output.

2) **Word Pattern Matcher**
   Given a character pattern **pat** and a string of words **text**, you need to determine whether the sequence of characters in the pattern matches the sequence of words in the **text.**

Note: Each UNIQUE char in the pattern should be matched to a UNIQUE word in the text.

Example:

pat = "abba"

text = "dog cat cat dog" → **TRUE**

Here, "a" maps to "dog" while "b" maps to "cat".

pat = "abba"

text = "dog cat cat fish" → **FALSE**

pat = "abba"

text = "cat cat cat cat" → **FALSE**

Since both "a" and "b" cannot be mapped to the same word "cat" so the Pattern Match fails.

3. **Interview with Director:**

- First, the Director of Lumel gave an introduction of herself and a brief overview of the company. She asked for my introduction and what I knew about Lumel.

- I introduced myself and then explained what I knew about Lumel and their products.

- I was asked about my previous interview experiences, how many placement drives have I attended, and till which round did I clear?

- The director even asked for the names of the companies where I had previously interviewed, and I had to explain why I didn't clear those interviews (my perspective), what I learned from those interviews etc.

- No technical questions were asked in this interview. Mainly, the Director was interested to know about my projects. Since I had project experience using **Node,js** and **React**, I mainly spoke about those projects - my role in the project, what the project does, and the technologies used in that project.

- I was also asked about my previous internships. So this round is heavily focused on your projects and internship experience only.

- Other resume-related Qns like your certifications or extracurriculars, if mentioned, are also possible.

- They also asked what kind of role I'd be interested in (frontend or backend) and whether I'd be able to commute to their Chennai office in Perungudi for the 3 months internship.

- Make sure to keep one or two questions to ask the interviewer at the end. It will show your interest in the company and may improve your chances of getting selected.