Project-Based Interview Q&A; (2 Years Experience)

1. Project Deep Dive & Ownership

Question:

Pick one project, like HR Globes, and walk me through your biggest contribution, focusing on the technical decisions you made.

Sample Answer:

"I'll focus on HR Globes, specifically the Payroll and Reimbursement modules."

My key contribution was designing the client-side state architecture for complex form workflows.

Challenge:

The reimbursement form had multiple conditional fields, dynamic validation, file uploads, and multi-step navigation. Using only useState made the logic messy.

Decision:

Implemented Redux Toolkit with slices for each module for stable multi-step data management.

Outcome:

Cleaner, maintainable code and easier debugging using Redux DevTools.

2. Application Performance & Optimization

Question:

How did you address performance issues with large datasets?

Sample Answer:

Rendering optimization using React.memo and useCallback/useMemo.

Server-side pagination: GET /api/attendance?page=2&limit;=20 improved load time from 5+ sec to under 2 sec.

Lazy loading using React.lazy() and Suspense improved initial load performance.

3. Authentication, Authorization & Security

Question:

How did you handle authentication and role management?

Sample Answer:

Used JWT-based authentication.

Stored JWT in HTTP-only cookies.

Frontend role-based UI rendering via Redux.

Backend route protection using Express middleware (403 Forbidden for unauthorized users).

Security in RapidTaxo:

Strong server-side validation, HTTPS enforcement, CSRF token protection.

4. Architecture & Scalability

Question:

How is Circulate Skill Development structured and made scalable?

Sample Answer:

Monolithic architecture: React frontend + Node.js backend.

Frontend: component-based, Redux Toolkit, react-router.

Backend: Routes → Controllers → Services → DB layer.

Scalability: MongoDB sharding readiness, stateless Node.js server allowing multi-instance load balancing.