Summary

Develop a full-stack Job Board application with a React frontend and a Laravel backend secured using Laravel Sanctum. The system should allow users to browse, search, filter, favorite, and post jobs. Authentication will be handled via Sanctum for secure server–client integration.

Functional Overview

- **Home Page**: Displays a paginated list of job postings.
- **Job Details Page**: Clicking a job opens a detailed view with description and apply link.
- **Search & Filter**: Users can search by keyword and filter by location or job type.
- **Favorites**: Users can mark jobs as favorites (persisted via LocalStorage).
- **Post a Job (Form)**: Authenticated users can post new jobs with validations.
- **Authentication**: Laravel Sanctum will manage login, registration, and session-based authentication.
- **API Endpoints**: Laravel backend exposes job CRUD APIs (GET, POST) secured by Sanctum for posting jobs.

Business Rules

1. Job listings must include title, description, type, location, and optional company/apply URL.
2. Search applies across job title, description, and company fields.
3. Only authenticated users may create new job postings.
4. Favorites are stored locally on the client and persist across reloads.
5. API responses must be paginated for performance.
6. Form validations must prevent empty or invalid job submissions.

Assumptions

- Laravel Sanctum is used for SPA authentication (CSRF + stateful).
- Database schema is limited to a single jobs table with basic fields.
- No complex user roles are required (all authenticated users can post jobs).
- LocalStorage is sufficient for persisting favorites without server storage.

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Acceptance Criteria

- Jobs are fetched from the Laravel API (backed by a DB table).
- Search and filter functionalities work across title, description, company, type, and location.
- Clicking a job opens a detailed page with complete information.
- Favorites persist in LocalStorage across reloads.
- Authenticated users can successfully post jobs with form validation.
- Sanctum authentication works for login/registration and protects the "Post Job" endpoint.
- Code follows modular component separation in React and controller separation in Laravel.