Simple Job Portal Requirement Document

Overview:

The Simple Job Portal is an API-based platform designed to connect job seekers (talents) with employers. It provides two distinct user flows: one for talents to search and apply for jobs, and another for employers to post jobs, review applications, and manage the hiring process.

Functional Requirements:

1. User Registration and Authentication:

Users can register as talents or employers.
Upon registration, users receive authentication credentials (e.g., JWT tokens) to access the platform.

2. Talent Flow:

Talents can view available jobs.
Talents can apply for jobs.
Talents can track the status of their applications.

3. Employer Flow:

Employers can post job listings, including job details and requirements.
Employers can view applications submitted for their posted jobs.
Employers can process applications by reviewing applicant details and making hiring decisions. (Interview, Accept, Reject)

4. Security:

Authentication: Use JWT tokens for user authentication and authorization.
Role-based Access Control: Ensure that only authorized users can access specific endpoints and perform relevant actions.

Notes:

Please provide additional API endpoints necessary to support the functional flow described above.

Non-functional Requirements:

1. Security:

Implement secure coding practices to prevent common vulnerabilities (e.g., SQL injection, cross-site scripting).
Encrypt sensitive data (e.g., passwords) stored in the database.

2. Documentation:

Provide comprehensive documentation for API endpoints.

Technologies:

Programming Language: Go (Golang)
Database: PostgreSQL