Functional Requirements Document

1. Introduction

The Job Portal Website aims to provide a platform for companies to connect. The platform will allow companies to post job openings and manage applications.

2. Features List

1. **Login**
2. **Signup**
3. **Company Onboarding**
4. **Post a Job**
5. **Listing of Jobs**

3. Technology Stack

- **Frontend:** React
- **Backend:** Node.js
- **Authentication:** JWT (JSON Web Tokens)

4. Functional Requirements

4.1. Login

Description: Allow users to log into their accounts.

Estimated Hours:

- **Design**: 9 hours
- **Frontend**: 14 hours
- **Backend**: 14 hours

Endpoint: `/api/login`

Functional Requirements:

- Users must be able to log in using their registered email and password.
- The system should generate a JWT token upon successful login.
- The JWT token should be used for subsequent authenticated requests.

4.2. Signup

Description: Allow users to create a new account.

Estimated Hours:

- **Design**: 7 hours
- **Frontend**: 12 hours
- **Backend**: 12 hours

Endpoint: `/api/signup`

Functional Requirements:

- Users must be able to sign up using a valid email and password.
- The system should check for duplicate accounts and handle errors accordingly.

4.3. Company Onboarding

Description: Allow companies to provide additional information after signing up.

Estimated Hours:

- **Design**: 7 hours
- **Frontend**: 9 hours
- **Backend**: 9 hours

Endpoint: `/api/company/onboarding`

Functional Requirements:

- Companies must be able to complete their profiles with additional information.
- The system should validate and store the provided information.

4.4. Post a Job

Description: Allow companies to post new job openings.

Estimated Hours:

- **Design**: 10 hours
- **Frontend**: 16 hours
- **Backend**: 15 hours

Endpoint: `/api/jobs`

Functional Requirements:

- Companies must be able to post new job openings.
- The system should allow jobs to be saved as drafts or posted as active jobs.
- The system should validate and store the job details.

4.5. Listing of Jobs

Description: Allow companies to view a list of their job postings filtered by status.

Estimated Hours:

- **Design**: 7 hours
- **Frontend**: 9 hours
- **Backend**: 10 hours

Endpoint: `/api/jobs`

Functional Requirements:

- Companies must be able to view their job postings filtered by status (active, closed, draft).
- The system should return the list of jobs based on the provided status filter.

Total Man Hours for Completion

- **Design**: 40 hours
- **Frontend**: 60 hours
- **Backend**: 60 hours
- **Total**: 160 hours