

# **Job & Skill Development Platform (With AI Integration)**

## **1) Features -**

### Job Seekers

- Create profiles
- Upload resumes
- Search & apply for jobs

### Employers

- Post job openings
- Shortlist candidates

### Trainers

- Upload courses and conduct mentorship

### Admin

- Manage users jobs, and system analytics

## **2) Application Components**

### Web App (React)

- Job listing, filtering, and applications.
- Employer dashboard to manage job postings.
- Learning module with training materials.

### Mobile App (React Native)

- Job search & applications.
- Notifications for new jobs & application status.
- Course access and progress tracking.

### Backend (Spring Boot)

- REST APIs for user authentication, job listings, applications, and training modules.
- MySQL database for data storage.

## Deployment

- Backend: AWS EC2
- Database: AWS RDS (MySQL)
- Web App: AWS EC2 + Nginx

### 3) AI Integration

#### Basic Resume Parsing

- Extract skills and experience using **IBM Watson** or **OpenAI API**.
- Suggest jobs based on extracted skills.

#### Chatbot for FAQs

- Simple AI-powered chatbot using **Dialogflow** or **Botpress**.
- Helps job seekers understand job postings.