

Job Portal System - System Architecture

The Job Portal System architecture consists of 4 main layers:

1. React (Frontend Layer)

- Tech: React, Axios/Fetch API, JWT/Session Auth
- Responsibilities: User registration/login, job search, profile mgmt, job apply

2. Servlet Layer (Controller + Business Logic)

- Tech: Java Servlets
- Responsibilities: Handle HTTP requests, manage sessions, validate inputs, forward to JSP
- Example Endpoints: /api/registerUser, /api/login, /api/getJobs, /api/applyJob

3. JDBC (Database Layer)

- Tech: JDBC with MySQL/Oracle/Postgres
- Responsibilities: CRUD operations on DB
- Tables: users, jobs, applications, resumes

4. JSP (Admin/Recruiter Dashboards)

- Tech: JSP + JSTL
- Responsibilities: Admin and recruiter dashboards, data rendering via Servlets

Architecture Diagram:

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[React Frontend] <---- REST API Calls ----> [Servlet Backend] <--> [JDBC] <-->
[Database]
|
v
[JSP Pages]
```