

Applicant Tracking System - Project Roadmap

1. Project Overview

This project is an Applicant Tracking System (ATS) focused on managing job postings and tracking candidates. Key features include job management by admin, candidate tracking based on job applications, and role-based access.

2. Core Features

- Add Job (Admin only)
- Update Job
- Delete Job (Admin only)
- Fetch All Jobs
- Fetch Job by ID
- Display job skills and candidate application count/statuses
- Candidate statuses: Scheduled, Interviewed, Placed, Rejected

3. Role-Based Access

* Admin:

- Add Job
- Delete Job
- View/Update Job

* Recruiter/HR:

- Update Job
- View Job & Candidate Status

4. Entity Design

- Job:

- jobId (Long)
- jobName (String)
- jobLocation (String)

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- Candidate:
 - candidateId (Long)
 - name, email, phone, etc.
 - status (Enum: Scheduled, Interviewed, Placed, Rejected)

- JobSkill:
 - skillId (Long)
 - skillName (String)
 - Linked to Job

5. Backend (Spring Boot)

- Use Spring Boot for API development
- Spring Data JPA for DB operations
- Spring Security for role-based access
- Use MySQL as the database

6. Frontend (Optional)

- HTML/CSS/JS or use a framework like React or Angular
- Display job listings, clickable job name shows skills and candidate status

7. Suggested Roadmap

Phase 1:

- Setup Spring Boot Project with MySQL
- Implement Job Entity + CRUD

Phase 2:

- Add Candidate Entity and link to Job
- Implement Candidate Status logic

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Phase 3:

- Implement Role-based access using Spring Security

Phase 4:

- Create REST endpoints for all entities

Phase 5:

- (Optional) Build a basic frontend