 <b>Marwadi University</b> Marwadi Chandarana Group	<b>Marwadi University</b> <b>Faculty of Engineering and Technology</b> <b>Department of Information and Communication Technology</b>	
<b>Subject: Capstone Project</b>	<b>Project Definition and Scope</b>	
<b>Project : - Job Gujarat</b>	<b>Date: 24-09-2025</b>	<b>Enrolment No: 92310133019 &amp; 92310133013</b>

## Introduction

- Job Gujarat is a local job platform that we created to solve a real problem faced by our client. Earlier, our client was connecting companies and jobseekers only through a social media page, which gets around 300k–400k views on job-related reels. Because of this, he was getting too many calls and messages every day. Managing job posts, collecting details from candidates, and talking with companies only through phone calls and DMs had become slow, messy, and hard to manage. To make this process simple, we built a web-based job portal where companies can post jobs and handle applications in one place, jobseekers can create profiles, upload resumes, and apply directly, client can manage everything in a clear and trackable system. This platform changes the old social media-based process into a proper digital hiring system that is faster, organized, and scalable.

## Problem Statement

- Our client was working as a middleman between jobseekers and companies using his social media page named Job Gujarat. His page gets around 300k–400k views on reels and too many calls every day. Because of this, it was becoming very difficult for him to manage everything only through calls and messages. Jobseekers had to wait for replies, and companies also faced issues in finding the right candidates quickly. The main problem was that there was no proper system to handle job posts, applications, and communication in an organized way. Everything was manual, time-consuming, and hard to manage as the audience kept growing. That's why there was a need for a digital platform that could make the whole process easy, fast, and manageable for both jobseekers and companies.

## Objectives

- Build a single platform where companies can post jobs and jobseekers can apply easily.
- Reduce manual work and daily phone calls our client gets from social media.
- Help jobseekers find and apply to relevant jobs quickly.
- Help companies manage applications in one place (track status, view profiles, filter candidates).
- Provide a smooth login and profile system so users can use the platform anytime.
- Make the process fast, transparent, and organized for both sides.


## Relevance to ICT Domain

- Software Engineering: Full-stack web app (frontend + backend + database + auth).
- Information Systems: Manages job data, user profiles, applications, and analytics.
- Cloud/Databases: Stores job posts, user info, resumes, and documents securely.
- Security: Uses secure authentication (e.g., Auth0) and role-based access.

## Feasibility Analysis

### 1. Technical feasibility

- Frontend: React, Tailwind CSS, Framer Motion
- Backend: Node.js/Express, Prisma ORM (rapid API development, type-safe DB access).
- Database/Storage: PostgreSQL + object storage (Supabase) for resumes and images.
- Auth: Auth0 (secure OAuth, social login).
- Payments: Razorpay
- Infra: Vercel for frontend, Render for backend.

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## 2. Economic feasibility

- Development cost was managed using open-source frameworks.
- Affordable within client's budget.

## 3. Ethical considerations

- Protecting user data (resume, aadhar card images) with encryption.
- Taking user consent during registration.
- Preventing misuse by fake job postings through admin moderation.

## Market/User Needs Analysis

### 1. Client need

- Too many calls and DMs from social media; hard to manage at scale.
- Needs a structured place to post jobs, collect applications, and track progress.

### 2. Jobseeker need

- Want quick, mobile-friendly access to jobs in Gujarat.
- Need easy apply, profile/resume upload, and application status tracking.

### 3. Company need

- Want an easy way to post jobs and shortlist candidates.
- Need basic applicant tracking (view profiles, statuses, contact info).

## Literature Review

- Many job platforms already exist, but they do not fully match the needs of our client or the local job market in Gujarat. Large platforms like LinkedIn, Indeed, and Naukri focus mainly on professional and white-collar jobs. They are crowded and not designed for quick local hiring. Small businesses and local industries often do not get proper visibility there.
- Because of these gaps, many people still depend on social media for hiring, but that creates chaos—endless calls, unorganized DMs, and no proper structure. This is especially a problem for local jobs like helpers at construction sites, delivery staff, and small shop workers, where both companies and workers want a fast and simple connection. Our project Job Gujarat fills this gap by giving a platform that is easy, affordable, and built for both white-collar and local blue-collar jobs by keeping the local trust and workflow intact.

## Conclusion

Our project directly solves our client's real problem of handling too many job inquiries from social media. With this job portal, the process becomes simple, organized, and efficient for both companies and jobseekers. The system is technically feasible, cost-effective, and can easily scale in the future. It also matches the real market need, as Gujarat has a large number of jobseekers and companies, and the client already has a strong base of 300k–400k views on social media reels. This project makes recruitment faster, easier, and more professional for everyone involved.