**Technical Architecture Document**

**Project Title:** Prowess IT Careers Portal  
**Prepared For:** Internal Development Team & Stakeholders  
**Version:** 1.0  
**Last Updated:** May 13, 2025

**1. Project Overview**

The Prowess IT Careers Portal is a web application designed to:

* Display open job positions pulled from a Strapi CMS backend.
* Provide a detail view for each job.
* Allow candidates to apply for jobs via an application form.
* Act as a central gateway for job seekers to explore opportunities at Prowess IT Solutions.

**2. Scope of the Project**

* Job listing and filtering with pagination
* Job detail view based on a unique documentId
* Application form page for candidates
* Admin-managed job data through Strapi CMS
* Responsive UI suitable for mobile and desktop devices

**3. Tech Stack**

| **Layer** | **Technology** |
| --- | --- |
| Frontend | Next.js 15 (App Router) |
| Styling | Tailwind CSS |
| Icons | Heroicons |
| Backend (CMS) | Strapi (v4) |
| Deployment (Dev) | Localhost (E:/project path) |
| Build Tool | Turbopack |

**4. Directory Structure (Frontend)**

/app

/jobs

/[id] → Job detail dynamic route

page.tsx → Job list with search & pagination

/apply → Job application form (TBD)

page.tsx → Homepage

/components → Future shared components

/public → Static assets (e.g., logo)

/styles → Global styles (tailwind.css)

**5. API & Data Flow**

* **Strapi API Endpoint (Local):** http://localhost:1337/api/jobs
* **Pagination Params:** pagination[page], pagination[pageSize]
* **Search Filter:** filters[Title][$containsi]=query
* **Detail View Lookup:** filters[documentId][$eq]=id

**6. Pages and Features**

**6.1 Homepage**

* Intro banner, service overview
* Navigation bar with links to Careers, About, Services

**6.2 Job List Page (/jobs)**

* Fetches data from Strapi
* Includes search bar, pagination
* Displays title, department, location, type

**6.3 Job Details Page (/jobs/[documentId])**

* Fetches individual job details
* Displays full job description
* Link to application form

**6.4 Apply Form Page (/apply)**

* Fields: Name, Contact, Email, Visa Info, LinkedIn, Attachments
* Form design is in progress

**7. Planned Enhancements**

* Form submission and backend storage or email alert
* Admin dashboard for reviewing applicants (optional)
* Better homepage UI with visual design polish
* SEO & performance improvements

**8. Team Guidelines**

* Keep components reusable (e.g., button, card)
* Always use Tailwind for styling
* Sync CMS schema updates with frontend field mapping
* Keep /jobs/page.tsx and [id]/page.tsx minimal and server-safe

**9. Contact**

* **Lead Developer:** Manisai Deeraj Marru
* **Project Directory:** E:/Prowess\_it\_website/frontend
* **CMS Admin:** <http://localhost:1337/admin>

*This document will be updated as new modules are developed or tech stack changes.*