**J & J Constructions**

**Project Summary**

**Client:** J & J Constructions  
**Developer:** Anit Maria Joseph  
**Goal:** Create a professional-grade, full-stack construction company website with a focus on showcasing services, projects, and collecting client leads through a dynamic, modern web platform.

**Objectives**

* Build a fully responsive, modern website for a fictional construction company
* Develop a full-stack web application with admin panel and CMS features
* Implement a functional contact form with lead storage
* Deploy live and document all aspects for portfolio showcase

**Tech Stack**

**Frontend:**

* React or Next.js
* Tailwind CSS (or styled-components)
* Framer Motion (for subtle animations)

**Backend:**

* Node.js + Express.js
* MongoDB (hosted on MongoDB Atlas)
* Mongoose (ODM)

**Authentication**

* JWT-based user authentication (admin login)

**Tools/Other:**

* Vercel/Netlify for frontend hosting
* Render or Railway for backend hosting
* Git + GitHub for version control
* Figma for UI/UX mockups

**Site Structure & Features**

**1. Public Website**

| **Page** | **Features** |
| --- | --- |
| **Home** | Hero section, brief intro, CTA, featured services/projects |
| **About Us** | Company history, values, team section |
| **Services** | List of services (e.g., Residential, Commercial, Renovation) |
| **Projects** | Grid gallery of completed work with modals or detail views |
| **Contact** | Form submission → saves data to MongoDB + email notification |

**2. Admin Dashboard**

* **Login**: Secure admin login via JWT
* **Add/Edit/Delete Projects**
* **View Leads**: Table of submitted contact forms
* **Add/Edit Services**

**📦 API Endpoints (Express.js)**

| **Method** | **Endpoint** | **Description** |
| --- | --- | --- |
| POST | /api/contact | Submit contact form |
| GET | /api/projects | Fetch all projects |
| POST | /api/projects | Create a new project (admin only) |
| PUT | /api/projects/:id | Update project (admin only) |
| DELETE | /api/projects/:id | Delete project (admin only) |
| GET | /api/leads | View all leads (admin only) |

**🔐 Authentication**

* Admin login: JWT token saved in localStorage or cookies
* Protected routes for dashboard access
* Logout functionality

**📤 Deployment**

* **Frontend**: Deployed via Vercel (or Netlify)
* **Backend/API**: Deployed via Render (or Railway)
* **MongoDB**: Hosted on MongoDB Atlas
* **Custom Domain**: Optional for added professionalism

**📑 Deliverables**

* Fully functional and responsive web app
* Hosted live demo
* GitHub repository with clean code and README
* Documentation or project case study (for LinkedIn or portfolio site)

**🔍 Showcase Skills**

* React or Next.js development
* RESTful API design
* MongoDB data modeling
* Authentication and route protection
* UI/UX design principles
* Deployment & DevOps