ASSESSMENT: FULL STACK DEVELOPER

Project Name: BS Realty Real Estate & Education Mini Platform

Assessment Timeline: 1 Month

Evaluation Criteria:

1. Code quality & folder structure
2. API design & security
3. Database design quality
4. UI/UX standards
5. SEO performance
6. Admin dashboard usefulness
7. Deployment reliability
8. GitHub commits & activity consistency
9. Communication & documentation

Project

Part A: Fix & Upgrade Contact Forms on https://bsrealtyllc.com/

Feature Required:

1. Connect all contact forms to a backend built with Django or Node.js
2. Store all submitted form data in a database (PostgreSQL preferred)
3. Auto-send email notification to site owner and confirmation email to the user
4. Build an admin dashboard to view all contacts, filter contacts by date, name, email, or message, export contact submission to CSV
5. Add Google reCAPTCHA to prevent spam
6. Add mobile-responsive UI

Part B: SEO Optimization for https://bsrealtyllc.com/ Website

Feature Required:

1. Add meta tags (title, descriptions, keywords)
2. Correct Heading (H1/H2/H3) structure
3. Add open graph tags for Facebook

4. Work on image optimization
5. Improve page speed
6. Add sitemap.xml and robots.txt
7. Add Google Analytics
8. Connect site to Google Search Console

Part C: Build a Job Vacancy Portal

Feature Required:

1. Job listing page
2. Job application form with file upload
3. Store every application in database
4. Email notification on every application
5. Admin dashboard to search applicants, filter by job title, download resume, add/remove job postings from dashboard

Part D: Build a Mini PropTech Module (Create a basic real estate property listing module; build the front in **React**)

Feature Required:

1. Create Property
2. Edit Property
3. Delete Property
4. Search property by price, location, Beds/Baths
5. Store property in PostgreSQL
6. API endpoints to return property date (JSON)

Part E: Build a Mini EdTech Module (Create a basic online course enrollment)

Feature Required:

1. Create courses

2. Course detail page
3. Simple enrollment form
4. Store enrollments in database
5. Admin dashboard to view registered students

Part F: Deployment

Required:

1. Push all code to GitHub
2. Implement CI/CD using GitHub Actions
3. Deploy frontend on Netliify/Vercel
4. Deploy backend or Render/AWS/Heroku
5. Use environment variables (.env)

Part G: Documentation

Must Submit:

1. API documentation
2. System architecture diagram
3. Database schema
4. Step by step deployment guide
5. Admin dashboard user guide