



Full Stack Developer Technical Assessment

Dear [Candidate's Name],

Congratulations!

We're thrilled to inform you that you've successfully passed the technical interview for the Full-Stack Intermediate Developer position. Your expertise as a full-stack developer, along with your impressive profile, has truly stood out to us. We believe you could be an excellent addition to our team.

As the next step in the hiring process, we're excited to present you with the assessment details. Please find the requirements outlined below:

Link: [Assessment link](#)

Position: Full-Stack Intermediate Developer

Duration: 7 days from today

Technologies: ReactJS / For the BE preferably “Django Rest Framework”

Assessment Overview:

Backend Development:

1. **Authentication Flow:**
 - Implement user authentication flow.
 - Ensure secure password hashing and storage.
 - Include endpoints for user registration, login, logout, and password reset.
2. **Session Listing:**
 - Design and implement the models for sessions, including necessary fields like session name, date, duration, etc.
 - Create API endpoints to retrieve sessions data, allowing for filtering, pagination, sorting and searching.
 - Implement CRUD operations for sessions (Create, Read, Update, Delete).
 - Secure the API endpoints with appropriate permissions.
3. **Database Management:**
 - Set up PostgreSQL database and define necessary schemas for authentication and sessions.
 - Optionally, demonstrate knowledge of TimescaleDB by optimizing queries or setting up time-series data(**Optional**).
4. **Real-time Updates:**
 - Integrate Firebase for real-time updates on session data changes.

Frontend Development:



1. **Authentication Flow:**

- Implement UI components for user authentication (login, registration).
- Password reset is **not required** on the FE side, only on the BE side.
- Integrate with backend API endpoints for authentication.

2. **Session Listing:**

- Create a screen to display a list of sessions fetched from the backend.
- Implement search functionality to filter sessions based on worker or recorded by.
- Include pagination for large datasets(**Optional**), preferred if you have time.

Submission Details:

Please create a private GitHub repository and invite the following email addresses: ramy@attraxia.io and moncef.reggam@attraxia.io and tine.nour@attraxia.io. You can push your code to this repository as you progress, and don't hesitate to submit your work even if it's unfinished.

Important Notes:

- Completion is not a strict requirement; we value the quality of code over rushed submissions.
- Feel free to ask any questions if you need clarification on any aspect of the assessment.

We're looking forward to reviewing your work and getting to know you better through this assessment. If you have any questions or need further assistance, please don't hesitate to reach out.

Best regards,