Job Description: Backend Developer for Matchmaking Algorithm Development

Role Overview: We are seeking a highly skilled Backend Developer to join our team and work on an exciting project involving the development of a matchmaking algorithm for a dating platform. This role requires a strong understanding of backend development, RESTful API design, and a solid grasp of Data Structures and Algorithms. You will be responsible for implementing a compatibility scoring system that forms the core of our platform's matchmaking process.

Key Responsibilities:

- Develop and implement backend services to support the matchmaking algorithm.
- Design and optimize the compatibility scoring system for user profiles.
- Build RESTful API endpoints for matchmaking functionalities.
- Collaborate with Flutter mobile developers and other team members to integrate the matchmaking algorithm into the platform.
- Write clean, maintainable, and efficient code following industry best practices.
- Debug and resolve technical issues promptly.
- Document code, architecture, and processes effectively.

Required Skills and Qualifications:

- Proficiency in backend development using any tech stack (e.g., Python, Node.js, Java).
- Hands-on experience with one or more popular backend frameworks like **FastAPI, Django**, **Express.js**, or **Spring Boot**.
- Strong understanding of RESTful API principles and design.
- Solid foundation in Data Structures and Algorithms, with the ability to optimize for performance and scalability.
- Experience with database design and query optimization.
- Knowledge of version control systems like Git.
- Excellent problem-solving and analytical skills.
- Strong communication and teamwork abilities.

Nice-to-Have Skills:

- Familiarity with FastAPI (experience is a plus but not mandatory).
- Prior experience in building or optimizing matchmaking algorithms.
- Understanding of microservices architecture and cloud platforms.
- Exposure to Agile/Scrum methodologies.

Assignment: Candidates applying for this position are required to complete a technical assignment that demonstrates their ability to design and implement a matchmaking algorithm using FastAPI.

Assignment Details: https://github.com/adistrim/algorithm-assignment