Job Description:

Back-End Engineer (Software Developer)

Position Title: Back-End Engineer (Software Developer)
Company: Ed Tech
Location: [Nigeria / Remote]
Employment Type: Full-Time
Salary: Negotiable
Experience Level: Mid Level

About Ed Tech:

Ed Tech is at the forefront of developing innovative learning solutions, this role will lead on a new product entirely separate from existing products. Our goal is to help users on their journey to personal and professional growth by delivering tailored learning experiences.

We are looking for a highly skilled **Back-End Engineer** who specializes in building scalable systems with expertise in AI, psychometric analysis, and integration with learning management systems. This individual will play a key role in developing the core technology stack for our groundbreaking product.

Responsibilities:

- **System Architecture & Development**:
    - Lead the back-end development for the platform, ensuring scalability, reliability, and performance.
    - Design, implement, and maintain RESTful APIs that support psychometric analysis and biodata integration.
    - Work closely with front-end teams to create seamless data pipelines and integrations with the user-facing components of the solution.

- **AI & Psychometrics Integration**:
    - Develop and integrate AI algorithms to interpret psychometric data and biodata forusers based on insights.
    - Collaborate with data scientists and psychologists to incorporate psychometric testing into the system.
    - Implement machine learning models that can predict learner outcomes

- **Learning Management System Development**:

  - Build core functionality for the LMS, including course management, user tracking, and assessment tools.

  - Optimize database performance for high traffic environments.

  - Ensure the system supports a network marketing model with features such as multi-level user management and reward systems (this could be an integration of an off the shelf solution)

- **Security & Compliance**:

  - Implement robust security measures for data protection, especially when dealing with sensitive user biodata and psychometric results.

  - Ensure GDPR and other regulatory compliance standards are adhered to.

- **Collaboration & Team Leadership**:

  - Work closely with cross-functional teams including AI specialists, front-end developers, UX/UI designers, and educational consultants to deliver a high-quality solution.

  - Mentor junior developers and contribute to building a culture of continuous improvement and innovation.

Key Requirements:

- **Technical Expertise**:

  - Proven experience in **Python**, **Node.js**, or **Java** for building back-end systems.

  - Strong knowledge of **databases** such as **PostgreSQL**, **MongoDB**, or **MySQL**.

  - Experience with **AI frameworks** like **OpenAI, Lllama**, **TensorFlow**, **Keras**, or **PyTorch**.

  - Familiarity with **psychometric testing** platforms or algorithms (Big Five, MBTI, etc.).

  - Understanding of **machine learning algorithms** for recommendation engines or personalized content delivery.

- **LMS Development**:

- Experience with developing or integrating Learning Management Systems, including features like course tracking, certification, and user progress analytics.
- Familiarity with **SCORM**, **Moodle**, **Canvas**, or similar LMS platforms and standards is a plus.

- **Network Marketing Knowledge**:
  - Familiarity with network marketing tools and frameworks, including multi-level user management and incentives.
  - Understanding of user reward systems and social network structures within a digital product.

- **Soft Skills**:
  - Strong communication and teamwork abilities, capable of working in a fast-paced, cross-functional environment.
  - Ability to mentor junior developers and guide them in adopting best practices.

Preferred Qualifications:

- Bachelor's or Master's degree in **Computer Science**, **Software Engineering**, or a related field.
- Experience in developing AI-driven platforms that incorporate psychometrics or behavioral science.
- Proven track record in building scalable, secure back-end architectures in start-up environments.
- Strong understanding of user data privacy, especially as it relates to health or personal information.

Why Join Ed Tech?:

- Be a part of a mission-driven company developing transformative educational technology that helps users reach their full potential.
- Work in a dynamic, collaborative environment with the opportunity to lead and influence the technical direction of the company.
- Competitive salary and benefits, with room for growth as the company scales.

Application Instructions:

To apply, please submit your resume and a cover letter detailing your experience to onabolutemitundun@gmail.com Use Edtech Software Developer as the subject of your mail. Be sure to include links to any relevant projects or GitHub repositories.