ROYAL UNIVERSITY OF BHUTAN

POSITION PROFILE

1. **JOB IDENTIFICATION**

    1.1   Position Title: Software Engineer

    1.2   Position Level: 7

    1.3   Occupational Group: Administrative and Technical

    1.4   College/OVC: Gyalpozhing College of Information Technology

2. **MAIN PURPOSE OF THE POSITION:**

    - Executing full lifecycle software development which includes analyzing and modifying existing software as well as designing, constructing and testing end-user applications that meet user needs
    - Programming well-designed, testable, efficient code
    - Producing specifications and determining operational feasibility.

3. **GENERAL ROLES AND RESPONSIBILITIES:**

    - Work across the full stack and mobile app, building highly scalable distributed solutions that enable positive user experiences and measurable business growth.
    - Conduct impact analysis.
    - Develop/Contribute to system/application architecture.
    - Design, develop and deploy codes in a given environment.
    - Develop production support documentation.
    - Multi-tasking across application development and DevOps roles, also understand and leverage the existing CI/CD pipeline.
    - Work within an agile team on iterative development that delivers a high-quality product.
    - Identify and recommend appropriate continuous improvement opportunities.

4. **SPECIFIC ROLES AND RESPONSIBILITIES:** *(Provide list of specific task that is not covered by the Representative Work Activities)*

    - Strong understanding of web technologies like JavaScript, HTML, and CSS with responsive layout.
    - Experience with Nodejs backend, ReactJS, React Native is a must.
    - Experience with SQL and noSQL databases.

- Experience with Python, Golang, .Net Core a plus.
- Experience in developing REST APIs and Microservices.
- Ability to work through new and difficult React Native issues and contribute to libraries as needed.
- Ability to create and maintain continuous integration and delivery of React Native applications.
- Work with modern tools including Jira, Gitlab/Github, Docker etc.
- Exposure to cloud services such as AWS/Azure/GCP a plus.
- A positive mindset and can-do attitude.
- Broad knowledge and experience of system analysis, development, deployment and maintenance of large-scale complex Integration solutions.

5. **KNOWLEDGE, SKILLS & ABILITIES (KSA) REQUIREMENTS:** *(Use KSA and Position Profile Matrix Position Directory as a guide)*

    5.1   **Education:** BIT/BCA/B.Sc IT/ B Engg. IT

    5.2   **Experience:** 3 years (in full stack/Mobile App development)

    5.3   **Knowledge Skills and Abilities:**

    I.   Conversant in the area of responsibilities both in terms of technical knowhow and changing environment.

    II.   Good communication skills both in terms of writing and speaking.

    III.   Sound analytical skills with knowledge in planning, management, and execution of projects and activities.

    IV.   Ability to keep up-to-date information in the area of responsibilities and provide timely information for informed decision-making.

POSITION PROFILE

1. **JOB IDENTIFICATION**

    1.1   Position Title: Software Engineer

    1.2   Position Level: 8

    1.3   Occupational Group: Administrative and Technical

    1.4   College/OVC: Gyalpozhing College of Information Technology

2. **MAIN PURPOSE OF THE POSITION:**

- Executing full lifecycle software development which includes analyzing and modifying existing software as well as designing, constructing and testing end-user applications that meet user needs
- Programming well-designed, testable, efficient code
- Producing specifications and determining operational feasibility.

3. **GENERAL ROLES AND RESPONSIBILITIES:**

- Work across the full stack and mobile app, building highly scalable distributed solutions that enable positive user experiences and measurable business growth.
- Conduct impact analysis.
- Develop/Contribute to system/application architecture.
- Design, develop and deploy codes in a given environment.
- Develop production support documentation.
- Multi-tasking across application development and DevOps roles, also understand and leverage the existing CI/CD pipeline.
- Work within an agile team on iterative development that delivers a high-quality product.
- Identify and recommend appropriate continuous improvement opportunities.

4. **SPECIFIC ROLES AND RESPONSIBILITIES:** *(Provide list of specific task that is not covered by the Representative Work Activities)*

- Strong understanding of web technologies like JavaScript, HTML, and CSS with responsive layout.
- Experience with Nodejs backend, ReactJS, React Native is a must.
- Experience with SQL and noSQL databases.

- Experience with Python, Golang, .Net Core a plus.
- Experience in developing REST APIs and Microservices.
- Ability to work through new and difficult React Native issues and contribute to libraries as needed.
- Ability to create and maintain continuous integration and delivery of React Native applications.
- Work with modern tools including Jira, Gitlab/Github, Docker etc.
- Exposure to cloud services such as AWS/Azure/GCP a plus.
- A positive mindset and can-do attitude.
- Broad knowledge and experience of system analysis, development, deployment and maintenance of large-scale complex Integration solutions.

5. **KNOWLEDGE, SKILLS & ABILITIES (KSA) REQUIREMENTS:** *(Use KSA and Position Profile Matrix Position Directory as a guide)*

    5.1   **Education:** BIT/BCA/B.Sc IT/ B Engg. IT

    5.2   **Experience:** Graduates (in full stack/Mobile App development)

    5.3   **Knowledge Skills and Abilities:**

    V.   Conversant in the area of responsibilities both in terms of technical knowhow and changing environment.

    VI.   Good communication skills both in terms of writing and speaking.

    VII.   Sound analytical skills with knowledge in planning, management, and execution of projects and activities.

    VIII.   Ability to keep up-to-date information in the area of responsibilities and provide timely information for informed decision-making.