

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.