INSTITUTE FOR DEVELOPMENT AND RESEARCH IN BANKING TECHNOLOGY

(Established by Reserve Bank of India)

Advertisement No: 10/2022-23   **Dated: November 18, 2022**

Engagement for Project Positions

The Institute for Development and Research in Banking Technology (IDRBT), established by the Reserve Bank of India, is the premier Institute of Banking and Financial Technology in the country. The Institute spearheads efforts in providing state-of-the-art technologies for the Indian Banking and Financial Sector by interfacing Applied Research and Development, Academics, Executive Education, Practice and Consultancy so as to continuously enable the technology transformation of the Banking and Financial Sector in India and make it future-ready.

The Institute has been awarded a major research project entitled "Blockchain and Machine Learning Powered Unified Video KYC Framework" (to be carried out in collaboration with IIIT Hyderabad, and IIT Bhilai), sponsored by the Ministry of Electronics and Information Technology (MeitY), Government of India, IIT Bhilai Innovation and Technology Foundation (IBITF) and RBI Innovation Hub. The objective of the project is to develop a Blockchain and Machine Learning powered unified video KYC framework for the financial sector. The developed solution would be ready for transfer to the financial institutions.

In order to contribute to this major research project, applications are invited from young dynamic candidates for the following temporary project positions:

POSITION I: Senior Project Engineer - Distributed Ledger Technology

i. **No. of Positions: Two**

ii. **Primary Responsibilities:**

- To build a Blockchain network using permissioned setup (such as Hyperledger fabric) and integrate modules developed using AI/ML, user authentication and verification using smart contract in the Blockchain network.
- To setup and test efficiency of each research components in the platforms.

iii. **Eligibility:**

(a) **Educational Qualifications**

- First class regular ME/MTech/ B.E/B. Tech/MCA or above from a recognized University with a consistently good academic record throughout.

(b) Experience

A minimum of two years post-qualification experience in Distributed System, familiar with blockchain environment and Hands-on in designing and developing smart contracts

- Programming Skills – Golang, CouchDB, MongoDB, NodeJS, Python
- Current Blockchain Technologies – Hyperledger Fabric
- Virtualisation Mechanisms – Dockers / VMs

(c) Desired Skills

- Good knowledge of Distributed Systems, virtualization and networking

iv.   **Term:** One year. Extendable based on the duration of the project, project requirements, performance of the candidate and fund availability.

v.   **Compensation:** All-inclusive consolidated compensation of upto Rs One Lakh per month.

POSITION II: Senior Project Engineer - Artificial Intelligence / Machine Learning

i.   **No. of Positions: Two**

ii.   **Primary Responsibilities:**
- For Computer Vision Engineer:
  (a) Face extraction from Video stream,
  (b) Face spoof detection,
  (c) Document extraction from video,
  (d) Extracting data from document,
  (e) Document integrity verification.

- For Chatbot Engineer:
  o Speech Processing
  o Machine Translation

iii. **Eligibility:**

(a) Educational Qualifications

- First class regular ME/MTech/ B.E/B. Tech./MCA or above from a recognized University with a consistently good academic record throughout.

(b) Experience

A minimum of two years post-qualification experience in industrial project development in the areas of:

- Artificial Intelligence / Machine Learning
- Computer Vision

- Designing and development of AI / Deep learning tools across Speech processing and/or Machine Translation.

(c) Desired Skills

- Good understanding of Deep learning-based solution design and experimental framework
- Programming in Python with the knowledge of relevant libraries
- Understanding of basic Speech processing, and Machine Translation techniques required for Chatbot development.

(d) Reservation

- One position is reserved for Schedule Caste candidate and one position is reserved for General candidate

iv.   Term: One year. Extendable based on the duration of the project, project requirements, performance of the candidate and fund availability.

v.   Compensation: All-inclusive consolidated compensation of upto Rs One Lakh per month.

POSITION III: Full Stack Developer

i.   No. of Positions: Six

ii.   Primary Responsibilities:

- Develop and deploy multi-tier applications
- Integration of back-end components using APIs
- Administration and maintenance of open-stack based cloud environment
- Maintain video streaming and storage solutions
- Integrate with open source databases and platforms like Fineract.

iii.   Eligibility:

(a) Educational Qualifications

- First class regular ME/MTech/ B.E/B. Tech./MCA or above from a recognized University with a consistently good academic record throughout.

(b) Experience

A minimum of two years post-qualification experience in industrial project development in the areas of:

- Cloud, Full stack, Security, Networking, Video streaming and storage

(c) Desired Skills

- Open-stack cloud, Kubernetes
- Socket programming
- MongoDB / CouchDB

- Familiarity with micro services, log analytics with Kafka
- REST APIs, NodeJS, Golang, Django

(d) Reservation

- One position is reserved for Schedule Caste candidate, one position is reserved for Schedule Tribe Candidate, one position is reserved for OBC (Non-Creamy Layer) candidates and three positions are for General candidates.

iv. **Term:** One year. Extendable based on the duration of the project, project requirements, performance of the candidate and fund availability.

v. **Compensation:** All-inclusive consolidated compensation of upto Rs One Lakh per month.

Rules and Regulations for all these positions

1. Higher compensation may be considered for exceptionally deserving candidates.
2. All the above positions are purely temporary and on a contract basis under the project mode.
3. There is no scope whatsoever for further continuation, extension of term, absorption, regularisation, permanency, in the Institute under any circumstances
4. The completion of the period of contract / project will not confer any right whatsoever for further continuation, extension of term, regularisation, absorption at the Institute.
5. All educational qualifications must have been necessarily obtained by pursuing the courses on a full-time regular basis from recognised universities/institutions. If grades are awarded instead of marks, candidates should clearly indicate their numerical equivalent.
6. Relevant experience gained after the qualifying degree will only be taken into consideration.
7. Candidates should satisfy themselves about their eligibility for the position being applied for. Mere fulfilment of eligibility does not guarantee shortlisting for Selection Process.
8. Candidates should apply for the specific positions only in the format provided on the Institute's website.
9. Incomplete applications / not in the prescribed format / without all the required documents, will be rejected and no correspondence will be entertained by the Institute.
10. Candidates for these positions should enclose attested scanned copies of their Mark sheets and Certificates right from Matriculation onwards.
11. The candidature will be considered on the strength of the information declared in the Application. If at any stage, it is found that any information furnished is false / incorrect, the candidate has clandestine antecedents/background or if according to the Institute, the candidate does not satisfy the eligibility criteria, her/his candidature / appointment is liable to be cancelled / terminated at any point in time including after appointment, in addition to any disciplinary action as may be necessary.
12. In case of any inadvertent mistake in the process of selection which may be detected at any stage even after the issue of appointment letter, the Institute reserves the right to modify / withdraw / cancel any communication made to the candidates.

13. The Institute reserves the rights to screen and call only such candidates as are found prima-facie suitable for being considered

14. The Institute also reserves the right to restrict the candidates called for to the selection process to a reasonable number on the basis of qualifications, level and relevance of experience higher than the minimum prescribed herein and the requirements of the Institute. Thus just fulfilling the prescribed conditions would not entitle one to be called for the Selection Process. The Institute also reserves the right of rejecting any or all the applications without assigning any reasons therefore.

15. The Institute reserves the right to fill or not to fill any or all the positions advertised without assigning any reason.

16. In all matters regarding Eligibility, Qualification, Skills, Experience, Compensation, Contract Term, Selection Process, Assessment, Prescribing Minimum Qualifying Standards in Selection Process, and Communication of Result, the Institute's decision shall be final and binding on all the candidates and no correspondence shall be entertained in this regard.

17. Only shortlisted applicants will be contacted. No correspondence will be entertained from candidates regarding postal delays, conduct & result of selection process and reasons for not being called for the selection process.

18. Selected candidates should undertake to abide by all the rules and regulations pertaining to their retention as also the rules and regulations of the Institute.

19. The crucial date for determining the eligibility criteria for all candidates in every respect is the prescribed closing date for submission of application.

20. Interested candidates may forward a Covering Letter and Filled-in-Application along with the copies / scanned copies of all the required documents to "The Human Resources Department, IDRBT, Castle Hills, Road No.1, Masab Tank, Hyderabad – 57" or by e-mail to vkycproject@idrbt.ac.in so as to reach the Institute latest by **DECEMBER 11, 2022.**

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