



INSTITUTE FOR DEVELOPMENT AND RESEARCH IN BANKING TECHNOLOGY

(Established by Reserve Bank of India)

Advertisement No: 09/2021 – 22

Dated: November 01, 2021

Engagement for Project Positions

The Institute for Development and Research in Banking Technology (IDRBT), established by Reserve Bank of India, is the premier Institute of Banking Technology in the country. The Institute spearheads efforts in providing state-of-the-art technologies for the 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 is carrying out a nationally-important research project on "Design and Development of a Unified Blockchain Framework for offering National Blockchain Service and creation of a Blockchain Ecosystem" along with reputed Institutions. This project intends evolve a Unified Blockchain framework with Technology Stack supporting the following capabilities: a) End-to-end, rapid application development, b) Interoperability across the platforms and applications; c) Open APIs for seamless integration; d) Distributed infrastructure.

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

POSITION: DISTRIBUTED LEDGER TECHNOLOGY (DLT) RESEARCHER

i. No. of Positions: One

ii. Primary Responsibilities:

- To build a blockchain network using Hyperledger fabric and sawtooth. And integrate modules based on crypto research using smart contract in the blockchain network
- To setup and test efficiency of each research components in both the platforms.

iii. Eligibility:

(a) Educational Qualifications

- ❖ First class regular B.E./B. Tech.(CSE/IT/ECE)/MCA or above from a recognised University with a consistently good academic record throughout.

(b) Experience

A minimum two years of hands-on experience in:

- Current Blockchain Technologies – Hyperledger Fabric / Hyperledger Sawtooth

- Virtualisation Mechanisms – Dockers / VMs
- Programming Skills – Go, Java, NodeJS, Python

(c) Desired Skills

- Good knowledge of Distributed Systems

(d) **Reservation:** This position is reserved for OBC (Non-Creamy Layer) 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 Rs. Thirty-Five Thousand per month

POSITION: CRYPTO ENGINEERS

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

ii. **Primary Responsibilities:**

- To research on security and privacy issues of chosen blockchain platform.
- Design and develop prototype on relevant blockchain challenges using applied cryptographic algorithms to run in the blockchain set up.

iii. **Eligibility:**

(a) Educational Qualifications

- ❖ First class regular B.E./B. Tech. (CSE/IT ECE) / MCA or above from a recognised University with a consistently good academic record throughout.

(b) Experience

A minimum three years of hands-on experience in:

- Cryptographic primitives – Mathematics (Group theory, Number theory), Public key cryptography, Elliptic curve cryptography, hash functions, encryption, and signatures.
- Strong hands on experience in data structures and algorithms
- Programming skills – C++, Python, Java

(c) Desired Skills

- Good understanding in implementing cryptographic primitives or a relevant project.

iv. **Term:** One year. Extendable based on project requirements and performance of the candidate for a further period not exceeding two years.

v. **Compensation:** All-inclusive consolidated compensation of Rs. Thirty-Five Thousand per month

POSITION: FULL STACK DEVELOPER

i. No. of Positions: One

ii. Primary Responsibilities:

- To design the front and back end of the API which will help in interacting with blockchain network.

iii. Eligibility:

(a) Educational Qualifications

- ❖ First class regular B.E./B. Tech.(CSE/IT/ECE) / MCA or above from a recognised University with a consistently good academic record throughout.

(b) Experience

A minimum two years of hands-on experience in:

- REST framework – Django / FLASK / EXPRESS JS / JAVA's Spring frameworks
- Web programming – Fullstack developer
- Databases – MySQL / PostgreSQL / MongoDB

(c) Desired Skills

- Good understanding of any frontend framework like Angular / React Js.

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 Rs. Thirty-Five Thousand 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 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 shall be 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 ubfprojectpositions@idrbt.Ac.in so as to reach the Institute latest by **November 22, 2021.**
