



INSTITUTE FOR DEVELOPMENT AND RESEARCH IN BANKING TECHNOLOGY (Established by Reserve Bank of India)

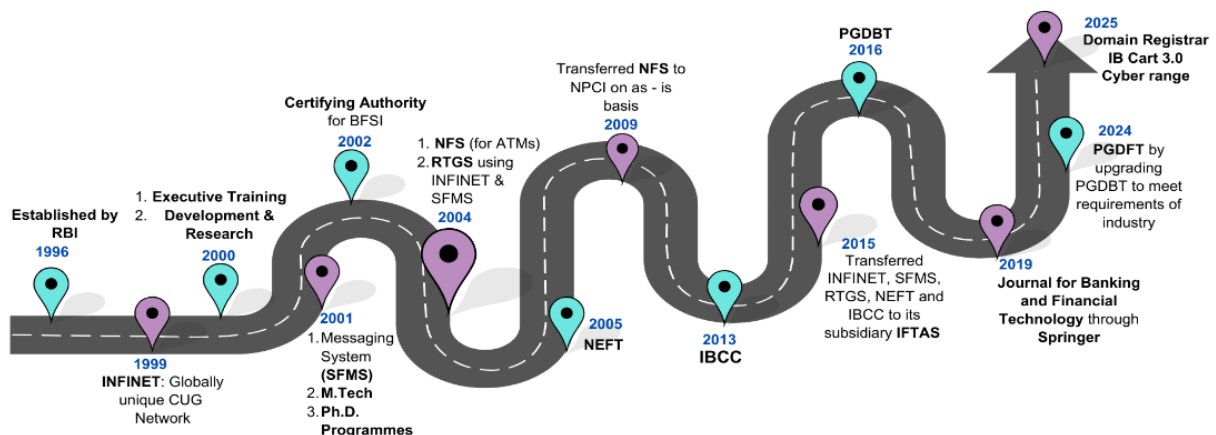
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Recruitment for Multiple Roles at IDRBT

IDRBT - The Institute (<https://www.idrbt.ac.in/about-idrbt/>):

The Institute for Development and Research in Banking Technology (IDRBT), established by the Reserve Bank of India, is a premier Institute for adoption and absorption of Banking Technology. The Institute spearheads efforts in providing state-of-the-art Digital Public Infrastructure and Product Development for public good through applied Research, Executive Education, Consultancy, etc. to continuously enable the technology transformation. The below mentioned picture highlights IDRBT's key achievements since 1996:



Opportunity for Skill Development

The prospective candidate will have opportunities to learn on the job and can hone their functional skills and expertise in various areas including cutting edge technologies. The Institute offers a variety of Executive Development Programs – EDPs for Banking and non-banking sector executives. It has six Research Centres for various emerging technologies and labs and provides a platform to Ph.D. students to conduct research on niche technologies. These experiences provide an unbeatable platform to build and augment the career.

Open Positions

S.No	Position
1.	Project Management – Leadership & Team Lead Roles https://docs.google.com/forms/d/e/1FAIpQLSe4KEMjuTFwr7ndk29RHgPogtfSU7_MKccsTfRjf6ERaG-QnA/viewform
2.	Certifying Authority - Cryptography Team Lead / Operations Engineer
3.	Exchange Server Administrator and Associates
4.	On-premises Private Cloud Administrator
5.	Java Full Stack Developer
6.	UI / UX Designer
7.	Research / Project Associates

i. **Job Location** : Hyderabad

ii. **Educational Background**

- Minimum Graduate Degree in Engineering / MCA.
- Certification and experience relevant to job requirement is plus point for higher compensation.

iii. **Compensation:**

- Annual CTC will be negotiable based on the skills, experience, orientation and broader outlook.
- Working at IDRBT offers the added benefit of networking with Industry Experts in the fields of Banking and Finance, FinTech, OEMs, Service Providers, and also participation in various forums, educational programs, and research activities.
- Other perks and benefits will be provided as per the Rule of Institute.

iv. **Term of the Employment:**

This offer is for contractual employment on the rolls of IDRBT which will be reviewed based on performance on annual basis for increment in remuneration (CTC) and continuance in service.

v. **Preferred Skills for the Candidate:**

- Strategic mind-set with a proactive approach to problem-solving.
- The ideal candidate should be familiar with the best practices implemented by the Industry, Regulators, and Government of India.
- Passion to learn new things and stay updated on emerging subject matters for growth and development.
- Attention to detail and ability to manage multiple priorities effectively.

Java Full Stack Developer

Eligibility:

Experience:

- 3 - 5 years of experience in Java full stack development.
- Proficiency in Java, Spring Framework, Hibernate, and SQL.
- Strong understanding of the software development life cycle (SDLC).
- Experience with front-end technologies such as JavaScript, HTML, and CSS.
- Familiarity with agile methodologies and SCRUM.
- Experience with cloud platforms such as AWS or Azure.
- Knowledge of DevOps practices and tools.
- Excellent problem-solving skills and attention to detail.
- Strong communication and teamwork skills.
- Certification in Java development or related technologies.
- Proficiency in React, with additional experience in Angular or Vue.js and React Native being a plus.
- Knowledge of modern design patterns and best practices in UI development.
- Experience with responsive design and cross-browser compatibility.

Primary Responsibilities:

- Lead, design, develop, and maintain both new and existing code, ranging from client-side development using JavaScript, HTML, and CSS, to server-side code using Java and Spring Framework.
- Analyse and understand user requirements and ensure they are incorporated into software designs and code.
- Collaborate with project managers and developers to define project scope and objectives.
- Review peers' code to enforce good software design standards and ensure high-quality function and performance.
- Perform extensive software testing, debugging, and full validation procedures.
- Resolve software bugs in the programming code and modify write-ups, as necessary.
- Update existing applications, correcting errors, adapting to new hardware, or improving performance.
- Document software installation and configuration processes and ensure all applications are kept up to date with the latest Java technologies.
- Participate in agile software development, SCRUM, and daily standups to ensure quick iterations and fast delivery.
- Collaborate with internal teams and vendors to fix and improve software products.

Certifying Authority - Cryptography Operations Engineer

Eligibility:

Right Profile - Qualifications

- Experience in data encryption, key management, cryptography solutions.
- Strong knowledge of encryption solutions and methodologies.
- Experience and understanding of Hardware Security Modules, Key Management Systems and Data Protection Management. Ensure crypto related inventory controls (key and HSM)
- Understanding on the security protocols such as TLS, SSH, etc.,
- Understanding and experience with the cryptography fundamentals, digital certificates, eSign and PKI standards.
- Maintain and enhance the delivery of cryptographic technology, process and relevant controls.
- Implement and operate effectiveness of cryptographic controls. Contribute to the risk reduction, escalation, and reporting. Support the remediation of risk items.
- Provide guidance and consultation in new crypto technology, process, and control.
- Ensure that work happens according to schedule and near-no deviation from process.

Exchange Server Administrator / Associates

Responsibilities:

- i. Managing and administering Microsoft Exchange Servers and related technologies.
- ii. Strong knowledge of Exchange Server 2016/2019/2023, Exchange Online, and related technologies.
- iii. Experience with PowerShell scripting for Exchange administration automation.
- iv. Installing, configuring, and maintaining Exchange server software and related components.
- v. Monitoring and resolving issues related to Exchange mailboxes, message tracking, and transport logs.
- vi. Deploying and configuring Exchange Online Protection for inbound and outbound email protection.
- vii. Managing and monitoring email infrastructure for high availability and optimal performance.
- viii. Developing and implementing Exchange server backup and recovery strategies.
- ix. Managing Active Directory objects related to Exchange, such as user accounts and distribution groups.
- x. Performing system administration, security, and maintenance duties as required. Working closely with other IT teams to troubleshoot and resolve issues related to messaging services.

On-premise Private Cloud Administrator

Experienced persons with diverse skillset encompassing technical expertise, project management, and soft skills for key areas including cloud computing fundamentals, virtualization, networking, security, and automation, programming languages, database management, with good communication skill and problem-solving orientation.

Eligibility:

Certifications:

Sought-after certifications for Cloud – Solution Architect, management, etc. which may demonstrate skill set for managing the cloud infrastructure.

Experience

Minimum 5 - 8 years of relevant work experience in IT Administration, Network Management, or Private Cloud management roles.

Skills & Qualifications:

Cloud Fundamentals

- **Virtualization Expertise:** Virtualization technology - must be proficient in using virtualization platforms like VMware vSphere or Microsoft Hyper-V or Nutanix-Prism to create and manage Virtual Machines (VMs). Should have a strong understanding of their chosen platform, including its services, tools, and functionalities.
- **Networking Fundamentals:** Should have a strong understanding of networking concepts like IP addressing, routing, and firewalls for configuring secure and efficient cloud networks.
- **Troubleshooting Expertise:** Excellent troubleshooting skills to diagnose complex technical issues, identify root causes, and implement effective solutions.
- **Automation Adept:** Leveraging automation tools and scripting languages like Python or PowerShell to streamline tasks, freeing valuable time for more strategic initiatives.
- **Performance Monitoring:** Conversant with effective use of monitoring tools to monitor system performance metrics like CPU utilization, memory usage, and network latency. This proactive approach allows them to identify potential bottlenecks and performance issues before they impact business operations.
- **Resource Optimization:** Need to analyze resource allocation and usage patterns to identify opportunities for cost savings. This might involve scaling up or down resources based on real-time needs or leveraging automation tools to optimize resource utilization.
- **Capacity Planning:** Planning for future needs based on usage trends and forecast future requirements to ensure the cloud infrastructure can scale effectively to accommodate growth.

Security Management

- **Security Implementation:** Need to implement robust security measures to safeguard data and resources. This includes Firewalls, Intrusion Detection Systems (IDS), encryption protocols, and vulnerability management practices, etc.
- **Incident Response:** In the event of a security breach, need to work with security teams to investigate the incident, identify the root cause, and implement measures to prevent similar occurrences in the future.
- **Security Awareness:** Security is paramount when sensitive data resides in the cloud. Applicant need to have a keen understanding of security best practices, including access controls, encryption protocols, and security compliance regulations and must be proactive in identifying and mitigating potential security threats.

Backup and Recovery:

- Ensuring data integrity and availability.
- Generating and analyze reports on cloud performance, usage, and security metrics.
- Implementing and managing backup solutions, disaster recovery plans, and business continuity strategies.

UI/UX Designer

i. Primary Responsibilities:

- Creating user-centric interface designs and visually appealing graphics for training materials, ensuring consistency and collaboration with cross-functional teams
- Developing visually compelling content for our training programmes, iterating based on feedback and staying updated with industry trends.

Experience:

- 2+ years of experience in UX/UI design, preferably in the technology or banking sector.
- Proven portfolio showcasing strong visual design skills and a good understanding of user-centered design principles.
- Certifications: Axure RP, Google UX Design Professional, Sketch, or other related certifications would be a plus.

Desired Skills:

- Proficiency in designing tools such as Adobe Creative Suite (Photoshop, Illustrator, XD), Canva, Sketch, Figma, InVision, Miro, Justinmind, Framer, Axure, Marvel, or Proto.io.
- Familiarity with front-end development technologies (HTML, CSS, and JavaScript)

- Knowledge of design systems, component libraries, responsive design principles.

Key Responsibilities

- UI/UX Design: Creating visually appealing and engaging user-centric interface designs based on principles of design and user experience for web applications
- Developing visually appealing graphics, illustrations, and layouts for training materials, research reports, and other documentation.
- Documentation: Preparing design documentation and specifications.

Research Associate / Project Associate

Educational Qualifications:

- A First Class (60%) full time B.E. / B.Tech. (CSE/IT/ECE) or equivalent Science Graduate from a recognized University or Institute with a consistently good academic record throughout.

Experience / Keen Interest in any of the following areas:

- Banking Technology / Payment System / Digital Payments / Tokenisation
- Digital Signatures and Cryptography
- Data Science, AI/ML, Analytics
- IS / Cyber Security / Ethical Hacking / Digital Privacy
- Network Architecture
- Cloud Infrastructure
- Emerging Internet Services and Protocols
- Banking-over Net/ Open Banking
- Quantum – Computing / Safe Cryptography / Communication
- Distributed Ledger Technology / Blockchain
- Data Center and Related Technologies

While applying, candidates need to indicate the area (from the above list) in which they intend to work on. Candidates should also indicate any specific project / internship / software skills / expertise; they possess in the afore-mentioned areas.

Age: Not more than 28 years as on the date of application.

Rules and Regulations

1. **Term of the Employment:** This offer is for contractual employment on the rolls of IDRBT which will be reviewed based on performance on annual basis for increment in remuneration (CTC) and continuance in service. There is no absorption, regularization, or permanency in the Institute for employment through this web notice. For regular appointment a separate Advertisement/web notice will be published.
2. Working - six days in a week.

3. The preliminary assessment for candidature and suitability will be on the strength of the information submitted in the Application form.
4. The candidate fulfilling the eligibility criteria would be called for participation in the selection process which may involve online/in-person interview.
5. 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.
6. In all matters regarding the appointment process, the decision of the Institute shall be final.
7. Selected candidates will enter into an Employment Agreement containing inter-alia Code of Conduct and Non-Disclosure Agreement.
8. Candidates fulfilling the eligibility criteria would be called for participation in the selection process.
9. Interested candidates may forward their filled-in prescribed application form along with CV, photograph and a cover letter highlighting why their candidacy should be considered for the advertised position. The letter shall be addressed to “The HR Department, IDRBT, Castle Hills, Road No.1, Masab Tank, Hyderabad – 57” and shall be sent by e-mail to careers@idrbt.ac.in with the subject line as “Application for (*position name*)”.
