



Govt. of India, Department of Electronics & Information Technology endorsed the operations of National Internet Registry (NIR) to National Internet Exchange of India (NIXI). NIR is an entity under the umbrella of a Regional Internet Registry (RIR) which is Asia Pacific Network Information centre (APNIC). NIR is entrusted with the task of coordinating IP Address allocation with other Internet resource management function at national level in the country. NIXI was recognized by APNIC in March 2012 to become the NIR for the country. The NIR has been named as Indian Registry for Internet Names and Numbers (IRINN). Collective efforts of NIXI and ISPAI have led to the formation of IRINN in the country.

JOB DESCRIPTION

The National Internet Exchange of India (NIXI) is seeking an **experienced consultant on a retainership contract basis** to support its division, the Indian Registry for Internet Names and Numbers (IRINN). The consultant will be responsible for managing **back-end, front-end, DevOps, and deployment services**, ensuring seamless data interchange between the server and users, and maintaining high performance and responsiveness.

This role requires expertise across a range of technologies and a hands-on approach to framework development, database management, messaging systems, and infrastructure deployment. The consultant will work closely with the team to integrate front-end elements and ensure robust and efficient application performance.

Required Expertise

S. No	Type	TechStack	Required Experience
1	Framework	Java	5 Year or more
		NodeJS	
		Angular	
		GoLang	
		ClickHouse	
2	Message Que	Kafka	3 Year or more
3	Database	MariaDB	3 Year or more
		Redis	
		ClickHouse	
4	DevOps	Kubernetes	5 Year or more
		Helm	
		Nginx	
5	CI/CD	Bitbucket Pipeline	1 Year or more
6	Application	Cubels	3 year or more

Responsibilities

- In-Depth Understanding of Whois, RPKI, and Route Objects
- Develop and maintain server-side logic and APIs.
- Manage the central database, ensuring high performance and responsiveness.
- Integrate front-end technologies and collaborate with developers.
- Set up and maintain DevOps pipelines and deployment infrastructure.
- Manage CI/CD workflows and ensure consistent delivery of updates.
- Handle large-scale data operations using tools like Kafka and ClickHouse.
- Oversee the deployment and optimization of applications on Kubernetes-based infrastructure.
- Ensure system security, scalability, and performance.

- Integration of user-facing elements developed by back-end developers
- Build efficient, testable, and reusable modules
- Understanding of MVC design patterns
- Understanding accessibility and security compliance
- User authentication and authorization between multiple systems, servers, and environments
- Integration of multiple data sources and databases into one system
- Creating database schemas that represent and support business processes
- Familiarity with SQL/NoSQL databases and their declarative query languages
- Proficient understanding of code versioning tools, such as Git

Technical Skills

Networking & Internet Protocols

- In-depth knowledge of IP Addressing (IPv4 & IPv6).
- Expertise in Autonomous System Numbers (ASN) and BGP Routing.
- Familiarity with Whois, RPKI, and Route Objects in an operational environment.

Infrastructure & Cloud Management

- Experience in Cloud Platforms (AWS, Azure, or GCP).
- Hands-on expertise in Infrastructure as Code (IaC) tools like Terraform or Ansible.
- Experience in configuring and managing Load Balancers.

Data Management

- Advanced expertise in SQL and NoSQL databases.
- Experience with ETL pipelines and large-scale data processing.
- Knowledge of real-time analytics frameworks (e.g., Apache Flink, Spark).

Cybersecurity

- Knowledge of network security protocols and best practices.
- Experience in implementing DDoS protection and firewall rules.
- Familiarity with security certifications like CISSP, CEH, or similar.
- Hands-on experience with SSL/TLS certificate management.

DevOps & CI/CD

- Advanced skills in building and optimizing CI/CD pipelines with Bitbucket.
- Strong understanding of container orchestration with Kubernetes.
- Experience in managing service meshes (e.g., Istio, Linkerd).

Soft Skills

- Project Management: Experience in leading teams and managing large-scale IT projects.
- Communication Skills: Ability to communicate complex technical topics to non-technical stakeholders.
- Problem-Solving: Analytical skills for troubleshooting and resolving issues.
- Collaboration: Experience in working with cross-functional teams.

Terms and conditions

- **The period of contract will be of 6 month or on project requirement basis duly approved by CEO, NIXI**

Salary: Not a Constraint for suitable candidate.

Share resume at ghananjay@nixi.in