

**MINISTRY OF HOME AFFAIRS,
CS DIVISION, 'B' WING, 5TH FLOOR, NDCC-II,
JAI SINGH ROAD,
NEW DELHI-110001

SUB- Call for applications for the posts of Chief Architect Technology and Security Manager under Digital India Programme of MHA

Digital India is an umbrella programme covering large number of activities ranging from providing IT infrastructure to development of e-governance applications based on business process re-engineering. This work requires dedicated technical manpower. For the purpose of implementation of Digital India programme in the Ministry of Home Affairs, applications are invited from the citizens of India for the following posts to be located at New Delhi, on contractual basis for a period of **3 years**; Compensation to the selected candidates will be commensurate with the industry norms

1. Chief Architect Technology:

Educational Qualifications:

- Must have a master's degree in Computer Science or Electronics (EEE / ECE) from a reputed university.
- Any industry certification in enterprise architecture such as TOGAF or equivalent is preferred.

2. Security Manager:

Educational Qualification:

- B. Tech/ M. Tech in Computer Science or any other Engineering Discipline/ MCA

Details of Job Objectives, Roles and Responsibilities, Job Experience and Professional skill requirements for the each of the posts are given in **Annexure** that follows.

Candidates interested for the aforesaid posts may submit their complete CV along with one photograph to the undersigned latest by **30th June 2015** at the email : **digi@mha.gov.in** or by post at the given address:

Director (SR), CS Division,
Ministry of Home Affairs, 5th floor, "B" Wing
NDCC-II Building, Jai Singh Road (Near Jantar Mantar)
New Delhi-110001 (Telefax: 011-23438133/23438185)

Email- digi@mha.gov.in

New Delhi

Dated : 5th May 2015

POSITION: CHIEF ARCHITECT TECHNOLOGY

LOCATION: NEW DELHI

JOB PROFILE Qualification & Experience

JOB OBJECTIVES:

- i. Provide leadership and vision of overall architecture and technology strategy as it relates to research, design, infrastructure, data, network, security, and application architecture for the whole system.
- ii. Responsible for executing the design and initial deployments of the complete system including server and client components by researching, reviewing, analyzing, and recommending architectural standards, technologies, and processes.
- iii. Work ranges from conceptual and strategic to tactical and includes building architectures and systems as well as initiating and overseeing the implementation of the whole system from an architectural perspective.
- iv. Overall ownership and single point of contact for all activities related to Capacity Planning and Technology Deployment Plan in terms of Hardware and Software in MHA. Will oversee planning activities related with IT Infrastructure for meeting, business objectives of MHA.

Basic Qualifications:

- i. Must have a master's degree in Computer Science or Electronics (EEE / ECE) from a reputed university
- ii. Any industry certification in enterprise architecture such as TOGAF or equivalent is preferred.

Professional Skill Requirements:

- i. Should have a minimum of 15years in the IT industry with at least

- 10 years into large scale enterprise architecture
- ii. Strong product experience with respect to packaging, extensibility architecture, security, upgrades, and scalability
- iii. Experience in building large scale OLTP systems that can support millions of transactions
- iv. Experience in building very large database systems that can scale in a distributed environment
- v. Experience in building large scale distributed systems for high throughput and speed
- vi. Must have strong experience in training, mentoring, and leading technology teams to research, design, prototype, and build systems
- vii. Should have experience in conducting strategic technology evaluations and associated PoC
- viii. Experience in building web based systems that is based on SOA principles that is high performing secure
- ix. Should demonstrate hands-on experience in building software architectures and systems

ROLES & RESPONSIBILITIES:

- i. Work with the internal and external teams to establish complete Enterprise Architecture
- ii. Provide overall technical leadership on projects as well as oversight and mentoring to the development team (in-house or third party)
- iii. Serve as point person for architecture, driving the creation of architecture principles and standards for that domain
- iv. Drive creation of reference architectures, reference implementations, and proofs-of concept
- v. Conduct research and hands-on experiments as part of technology selection and design
- vi. Design, prototype, and build client, server, and other components of the whole system
- vii. Document and present principles and standards for review and formal approval

- viii. Oversee and audit development and implementation of the system
- ix. Present and train architecture concepts and standards to various teams (internal and external)
- x. Interact/ Co-ordinate with various functional divisions of the MHA on the business requirements.
- xi. Capacity planning for IT Infrastructure including hardware and software,
- xii. Effective consolidations & virtualisations at Data Centre design scalable IT Infrastructure;
- xiii. Defining and reviewing metrics for IT Infrastructure management

Other Requirements:

- i. Ability to articulate and make effective presentations to varied technology and non-technology groups
- ii. Ability to learn, abstract, and apply new technologies
- iii. Ability to work effectively in disparate teams within and outside the organization as an evangelist and mentor at strategy level as well as detailed technology level
- iv. Demonstrable experience in designing, building, and deploying self-updating, pluggable, smart clients with offline capabilities using new technologies
- v. Experience in building localizable, self-upgradeable, self-learning systems using Internet technologies
- vi. background in building user interfaces using established usability guidelines that can be deployed for users with no or little technical experience with minimum training
- vii. In-depth hands-on experience in designing and building systems using various technologies such as Java, .NET, RDBMS, XML, XHTML, among others
- viii. Experience in large scale systems integration technologies including technologies such as JMS and Web Services among others
- ix. Experience in building and integrating with mobile technologies
- x. Must have built systems that are highly automatable (for

- automated certifications and testing)
- xi. Must be a technology practitioner with broad architecture experience and has strong research and strategic bend of mind
 - xii. Must have held Senior Architect level position in a large product company with specific focus on architecture, research, and strategic technology decisions
 - xiii. Experience in Capacity planning of IT Infrastructure preferably with knowledge of data centre operations management Experience in data centre certifications... BS7799 / other industry certification
 - xiv. Experience in IT Infrastructure SLA management tools

Tenure: Three Years

POSITION: SECURITY MANAGER

Roles and Responsibilities: Would report to CISO and assist him with responsibilities detailed below-

- (i) Develop and enforce information security architecture standards (enterprise computing, Cloud, network, virtualization, etc.) and best practices as well as enterprise technology platform standards [operating system, database servers, application servers, application integration, virtualization, Cloud, etc.].
- (ii) Plan security systems by evaluating network and security technologies; developing requirements for local area networks (LANs), wide area networks (WANs), cloud infrastructure, virtual private networks (VPNs), routers, firewalls, and related security and network devices; designs public key infrastructures (PKIs), including use of certification authorities (CAs) and digital signatures as well as hardware and software; adhering to industry standards.
- (iii) Develop and maintain architecture for IT security tools and services:

- Anti-virus, endpoint protection and malware
- Data loss prevention
- Firewall and IDS / IPS
- Security incident & event monitoring
- File integrity and Program change detection
- Application Vulnerability / Network/OS Scanner
- Forensic tools, Encryption (data at rest and in transit), VPN, and web proxies
- Participates in IT Security assessments, risk analysis and reporting.
- Responds to requests for information on MHA policies, practices, guidelines and standards.
- The ability to conceptualize complex business and technical requirements into comprehensible models and templates.

Qualification

- (i) Graduate degree in Computer Science/Information Technology
- (ii) Any Architect or equivalent certifications like TOGAF,etc
- (iii) Advanced certifications information security CISSP, CISA, CISM, GIAC, etc

Experience

- (i) Should have a minimum of 7 years experience in Information security
- (ii) Proven experience as an Information Security solutions Architect in more than on project life cycle.
- (iii) Experience/strong understanding of Information Security - policies and procedures, logical and physical security, anti-virus

Tenure: Three Years