



## Be a part of the Team that drives the AADHAAR Project

**POSITION: PRINCIPAL TECHNOLOGY ARCHITECT**

**LOCATION: Bangalore/Delhi**

**No. of Posts: 01**

<b>JOB PROFILE</b>	<b>Qualification &amp; Experience</b>
<p><b>JOB OBJECTIVES:</b></p> <ul style="list-style-type: none"><li>• Provides 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.</li><li>• 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.</li><li>• The job profile requires in-depth understanding of biometric technologies, identity and authentication management systems, large data management systems, scalable internet and service oriented architectures, relational databases and schema design, n-tier architectures, and web technologies, internet based - Geographic Information Systems (GIS), agile software development, open source technologies, and web technologies.</li><li>• 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.</li><li>• Overall ownership and single point of contact for all activities related to Capacity Planning and Technology Deployment Plan in terms of Hardware and Software at Technology division in UIDAI. Will oversee planning activities related with IT Infrastructure for meeting business objectives of UIDAI.</li></ul>	<p><b>Basic Qualifications:</b></p> <ul style="list-style-type: none"><li>■ Must have a master's degree in Computer Science or Electronics (EEE / ECE) from a reputed university</li><li>■ A Ph.D. in Computer Science is preferred</li><li>■ Must be well respected and recognized in the technology community and must have demonstrated thought leadership through publications.</li></ul> <p><b>Professional Skill Requirements:</b></p> <ul style="list-style-type: none"><li>■ Should have a minimum of 15 years in the software industry with at least 10 years of hands-on experience in designing, developing and operating large mission-critical infrastructure</li><li>■ Strong product experience with respect to packaging, extensibility architecture, security, upgrades, and scalability</li><li>■ Experience in building large scale systems that can support millions of transactions</li><li>■ Experience in building very large database systems that can scale in a distributed environment</li><li>■ Experience in building large scale distributed systems for high throughput and speed</li><li>■ Must have strong experience in training, mentoring, and leading technology teams to research, design, prototype, and build systems</li><li>■ Should have experience in conducting strategic technology evaluations and associated PoC</li><li>■ Experience in building web based systems that is based on services based architecture that is high performing</li></ul>
<p><b>ROLES &amp; RESPONSIBILITIES:</b></p> <ul style="list-style-type: none"><li>■ Work with the internal and external teams to establish</li></ul>	

<p>complete Enterprise Architecture</p> <ul style="list-style-type: none"> <li>■ Provide overall technical leadership on projects as well as oversight and mentoring to the development team (in-house or third party)</li> <li>■ Serve as point person for architecture, driving the creation of architecture principles and standards for that domain</li> <li>■ Drive creation of reference architectures, reference implementations, and proofs-of-concept</li> <li>■ Conduct research and hands-on experiments as part of technology selection and design</li> <li>■ Design, prototype, and build client, server, and other components of the whole system</li> <li>■ Document and present principles and standards for review and formal approval</li> <li>■ Oversee and audit development and implementation of the system</li> <li>■ Present and train architecture concepts and standards to various teams (internal and external)</li> <li>■ Interact/ Co-ordinate with various functional divisions of the UIDAI on the business requirements.</li> <li>■ Responsible for Capacity planning of the Data Centre w.r.t <ul style="list-style-type: none"> <li>❖ Capacity expansion by using Technology refresh</li> <li>❖ Scalability</li> <li>❖ Transition</li> </ul> </li> <li>● Capacity planning for IT Infrastructure including hardware and software,</li> <li>● Effective consolidations &amp; virtualisations at Data Centre deign scalable IT Infrastructure;</li> </ul> <p>Defining and reviewing metrics for IT Infrastructure management</p> <p><b>Other Requirements:</b></p> <ul style="list-style-type: none"> <li>■ Ability to articulate and make effective presentations to varied technology and non-technology groups</li> <li>■ Ability to learn, abstract, and apply new technologies</li> <li>■ 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</li> </ul>	<p>and secure</p> <ul style="list-style-type: none"> <li>■ Should demonstrate hands-on experience in building software architectures and systems</li> <li>■ Demonstrable experience in designing, building, and deploying self-updating, pluggable, smart clients with offline capabilities using new technologies</li> <li>■ Experience in building localizable, self-upgradeable, self-learning systems using Internet technologies</li> <li>■ background in building user interfaces using established usability guidelines that can be deployed for users with no or little technical experience with minimum training</li> <li>■ In-depth hand-on experience in designing and building systems using modern web technologies. Experience in large scale systems integration technologies including technologies such as JMS and Web Services among others</li> <li>■ Experience in building and integrating with mobile technologies</li> <li>■ Must have experience of running agile development processes and in setting up modern devops processes and teams.</li> <li>■ Must be a technology practitioner with broad architecture experience and has strong research and strategic bend of mind</li> <li>■ Must have held Senior Architect level position in a large product company with specific focus on architecture, research, and strategic technology decisions</li> <li>■ Experience in Capacity planning of IT Infrastructure preferably with knowledge of data centre operations management</li> <li>■ Experience in data centre certification BS7799 / other industry certification</li> <li>■ Experience in IT Infrastructure SLA management tools</li> </ul> <p><b>Tenure:</b></p> <p>Three Years</p>
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