



Position Title: OSS Architect

Global Grade: 13

NII Holdings, Inc.
1875 Explorer Street
Suite 1000
Reston, VA 20910

tel 01 703 390 5100

www.nii.com

Position Description:

- Responsible for network architecture and design, equipment specification, vendor evaluation and selection of any OSS solutions supporting the 3G infrastructure and interface with related BSS subsystems
- Actively support the goals & objectives of NII and Nextel business plans determined by senior leadership.
- Provide technical leadership owning responsibility information related to interfaces into or out of BSS/OSS including solution architecture leadership and delivery including BSS/OSS (Business/Service/Network Management) solution engineering, project coordination, business requirements analysis, requirement specification, and project documentation.
- Assist in the development of BSS/OSS interface solution architecture and the strategy to deliver the overall solution according to the specifications received from internal areas including Engineering and IT organizations.
- Track and document requirements for enterprise OSS development projects and enhancements.
- Support all internal customers with OSS requirements and Performance management data collection and analysis to ensure the KPIs are properly captured.
- Analyze system elements, (software, monitoring, reporting functions and capabilities, integration architecture, and processes) with recommendations for appropriate changes according to pre-identified requirements.
- Translate technical requirements into system, application, and process designs identifying functional requirements and lead the identification, justification and design of the OSS interface solution.
- Manage specification development with other internal areas and vendors discussing strategy, progress, and results of the architecture in accordance with the company's objectives
- Provide Tier 4 technical support to all NII markets.

Minimum Requirements:

- Minimum Qualifications: (Job related skills, experience, and education):
- Bachelor degree in Electrical or Computer Engineering with emphasis on Telecommunications.
- 8+ years experience in architecture/solutions design in OSS, NMS, BSS, ERP, CRM and/or Network Probes. Proven experience with tools or system integration.
- 8+ years experience in the Wireless Telecommunications networks focused on the OSS subsystem in the Telecom industry
- Experienced in driving and realizing a complex/ end to end solutions and how decision/design impacts architecture delivery.
- Working knowledge of Wireless Telecom BSS/OSS architecture, network



operations, (monitoring, reporting, performance management, capacity planning, scalability) and service billing and provisioning.

- Solid experience in OSS area and specifically in Integrated Fault, Performance, Service, Inventory and TT Management
- Proven experience in 2G, 3G and 4G LTE OSS implementations.
- Expertise in OSS/BSS integration.
- Experience and knowledge of Huawei OSS products, IBM Netcool, and other COTS OSS solutions.
- Knowledge of Self-Organizing Networks (SON) and the impact of SON on OSS processes and tools is a plus.
- Overall understanding of radio access, circuit and packet core networks
- Expert knowledge and experience with OSS and Core interface protocols including SNMP & Alarm Traps, Corba, XML, SFTP, MML, NMS Log (Syslog), Radius, Diameter 3GPP (IuB, IuRlCS, Nb, Mc, Gs, Iu-P), CLI/TLI/Qx (Network Element Configuration)
- Knowledge of eTOM, NGOSS, TAM, ITIL, TOGAF and SID framework for designing solutions for service providers.
- Strong experience with OSS Architecture and geo-redundant high availability (HA) fault tolerant design, supporting failover and back operational support.
- Expertise in review and validation of solution architecture designs (End-to-End, HLD) in area OSS, NMS and Network Probes, both applications and application data, and low level integration designs (LLD) including southbound and northbound integration, software configuration and customization.
- Design of application and application data assurance, including disaster recovery, alternative (workaround) solutions allowing operational/business continuity, regular backup & recovery.
- Experience with vetting of OSS designs against overall architecture, assuring establishment of mid/long term OSS, NMS and Network Probes roadmap.
- Certification in area processes is preferred (e.g. ITIL, eTOM, CMM/CMMI, Six Sigma), alternatively proven experience is required.
- Solid knowledge of IP layers, QoS Management, CoS, DPI, monitoring and management of end to end services and applications at Layer-3.
- Strong experience in writing, reviewing and evaluating OSS RFI/RFP technical vendor responses.
- Solid understanding of Network Probes, both for Control Plane (CS) as well as for IP and Mobile Network interfaces (SGSN/GGSN).
- Profound communication skills, on all levels (CTO, Directors, Middle Management, Workforce) within and outside Technology, both verbally and in writing.
- Effective Relationship Building
- Strong interpersonal / relationship management skills
- Strong written/verbal communications skills
- Execution and results oriented
- Previous experience with iDEN/NII is a plus