Senior System Engineer

Integration & DevOps / Technical Lead

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**Summary**

* **Senior System Engineer** and **Technical Lead** with expertise in **integration and DevOps**, delivering large-scale **end-to-end infrastructure** across **On-Prem**, **hybrid**, and **cloud** environments.
* Delivered **production-critical headend systems** and **end-to-end** broadcast solutions (Conditional Access, DRM, IPTV, VOD, CDN) for leading pay-TV providers **worldwide.**
* Served as **primary technical point of contact** for **strategic customers**, providing **Tier-2/3 support**, system ownership, and hands-on troubleshooting across **EMEA, APAC, and the US.**
* Hands-on expertise in **Linux (RHEL)**, **VMware**, **Oracle**/MongoDB, **scripting**, **networking,** and **storage**, with practical experience in **automation**, **security**, **performance**, **CI/CD pipelines**, **Ansible,** and **AWS**.
* Proven background as **Software Development Manager** and **Engineer**, leading high-performing teams, managing **full Agile development lifecycles**, driving platform redesigns, and executing POC initiatives.
* Dedicated and motivated professional with excellent interpersonal skills; a **systems thinker**, **strong communicator**, and **skilled problem-solver**, experienced in aligning technical solutions with business strategy and consistently recognized for **impactful delivery**.
* **B.Sc. in Software Engineering**, *cum laude* - with a major in **Industrial Management**

**Experience**

2018 – Present **Senior System Engineer / Technical Lead / Integration & DevOps Engineer**, **Synamedia**

* **Led System Engineering delivery solutions**, encompassing **System integration & DevOps practices** within the organization for the company’s Conditional Access, IP TV & DRM with Consumer Electronic devices.
* Delivered end-to-end, production-critical headend systems for pay-TV providers, primarily on **Red Hat Linux** with **Oracle DB,** and custom **scripting,** by collaborating closely with development teams to integrate CI/CD pipelines across development, staging, and production environments.
* Led **strategic company customers** while serving as the primary **technical** and **professional** contact between the company and **on-site** engineering teams, providing **Tier-2/3 support**, and resolving complex end-to-end issues both **remotely** and **on-site**.
* Collaborated with global teams and customers across **EMEA**, **APAC**, and the **US**, applying a **systems-thinking approach** and **strong problem-solving skills** to deliver tailored technical solutions, post-deployment, and live support.
* **Liaised** and **collaborated** between **management**, PMs, **system architects, R&D**, and deployment teams to drive **adoption** of best practice solutions.
* Led system deployment, migration, and upgrade projects—covering disaster recovery, failover readiness, on **On-Prem/hybrid**/**cloud-based** environments.
* Performed **risk analysis**, capacity planning, scalability assessments, mitigation strategies, **pre-sales support**, acceptance testing, and intensive troubleshooting.
* **Developed** and enforced **security policies**, implementing advanced **firewall** rules, **VLAN** configurations, and robust **network segmentation.**
* **Monitored** and **optimized** system performance through bottleneck identification, automation of deployment and scaling processes, and proactive maintenance.
* **Tools & Technologies:** **Red Hat Enterprise Linux 5–8**, Windows OS, **Ansible**, **Cisco UCS**, NetApp shared storage, RAID configuration and expansion, **VMware** - ESXi and vSphere, vCenter, vMotion, cloning, templates, clustering (HA), load balancers, VIP, **AWS**, **Oracle 10/11g/19c**, **MongoDB** (MongoOps, cluster and sharding), **Python, Bash**, **Active Directory**, HTML, HTTP(S), MPEG, DVB-SI, **JIRA, Wireshark,** CDN, DRM, Conditional Access, VOD, IP TV, consumer electronic devices (STB, mobile)

2012 – 2018 **System and Integration Delivery Engineer**, **Cisco**

* Delivered **large-scale end-to-end system integration projects**, lab setup, and **production deployments,** with the company’s Conditional Access, IP TV, DRM, and consumer electronic devices.
* **Developed infrastructure tools** for **automated E2E testing**, improving system reliability and scalability.
* Led installation, integration, migration, and upgrade of **mission-critical head-end systems for European pay-TV service providers,** primarily on **Red Hat Linux** with **Oracle DB, MongoDB,** and custom **scripting.**
* Delivered and provided **Tier-2/3 support** for customers **across EMEA,** both on-site and remotely, working closely with project managers, R&D teams, and third-party vendors.
* **Tools & Technologies:** **Red Hat Enterprise Linux**, Windows OS, **Ansible**, **Cisco UCS**, NetApp shared storage, RAID configuration and expansion, **VMware** - ESXi and vSphere, vCenter, vMotion, cloning, templates, clustering (HA), load balancers, VIP, **Oracle 10/11g**, **MongoDB** (MongoOps, cluster & sharding), **Python, Bash**, HTML, HTTP(S), MPEG, DVB-SI, **JIRA, Wireshark,** CDN, DRM, Conditional Access

2010 – 2012  **Group Manager – Software Engineering**, **NDS**

* **Managed a software development group** of 5 people
* Redesign of a mission-critical software platform integrating and controlling production line machines, defining the **technical roadmap** and **system vision**.
* Led **technology evaluations** and **POC** initiatives to drive **innovation** and improve architecture.
* Recruited, mentored, and developed team members to enhance technical capability and team scalability
* **Technologies:** Java, Jython, Informix DB, TDD, CI/CD, SVN; **Methodologies:** Agile (SCRUM), Gantt

2005 – 2009  **Team Leader – Secure Software development**, **NDS**

* **Led** a **strategic company initiative** to design and deliver **secure software production infrastructure**.
* Coordinated cross-functional efforts with **internal teams** and **external partners**, including PMs, security, STB vendors, and chip manufacturers.
* Owned end-to-end delivery of secure infrastructure: architecture, deployment, and support.
* **Technologies:** .NET/C#, Oracle Database, HP-UX, EVA, advanced cryptographic; **Methodology:** Gantt

2000 – 2005 **Software Engineer**, **NDS**

* Developed **secure software** smart card production systems, integrating and controlling production-line machines & HW components, while providing **remote** and **on-site support** across **Europe** and the **US.**
* Delivered **customer-driven enhancements**, **new product features**, and ongoing system maintenance
* **Technologies:** C/C++, MFC, Tcl/Tk scripting, Informix DB, Visual Studio, OOP/OOD

**Education & Trainings**

**B.Sc. in Software Engineering**, *cum laude*, with a major in **Industrial Management**, JCT

**Systems Engineering, Software Development, and leadership training** - NDS/CISCO/Synamedia.

**150-hour Management Education Program** - NDS/CISCO/Synamedia.

**Technical Proficiencies**

**Operating Systems:** Red Hat Enterprise Linux (RHEL 5–8), Windows

**Databases:** Oracle 10/11g/19c, MongoDB (MongoOps, Clustering, Sharding), Informix, SQL, PL/SQL

**Languages & Scripting:** C, C++, Python, C#, .NET, Java, Jython, Tcl/Tk, Bash, JSON, YAML, XML, HTML

**Infrastructure:** Cisco UCS, HP-UX, On-Prem & Hybrid, AWS, VMware ESXi/vSphere, vCenter, vMotion, Clustering (HA), Load Balancers, VIP, Templates, Cloning, NetApp Shared Storage, EVA Storage, RAID, Firewall

**Development Tools/Automation/DevOps:** Ansible, CI/CD Pipelines, TDD, SVN, Git, Wireshark, Active Directory, Monitoring, AI Tools (ChatGPT, Copilot), TOAD, Agile (SCRUM), Gantt (MS Project), OOP/OOD, Visual Studio

**Technology & Protocols:** HornetQ, MPEG, DVB, HTTP(S), JIRA, Confluence, REST, Advanced Cryptography

**Specialized Domains:** Digital Rights Management (DRM), Conditional Access (CA), Content Delivery Networks (CDN), Video-on-Demand (VOD), IPTV, Smart Cards, Consumer Electronics (STB, Mobile)

**Military Service Field Intelligence Corps.**

**Languages Hebrew** - Native I **English** - Fluent