**Sunil** Khanna

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**CAREER FOCUS**

Result driven Tech Lead with extensive experience in spearheading the management, design, development, implementation and testing of IT solutions. Recognized leader, applying high impact technical solutions to major business objectives with capabilities that transcend IT operation boundaries. Adept at working with management to prioritize activities and achieve defined project objectives; able to effectively translate business requirements into technical solutions.

Experience in developing and supporting all stages of the systems life cycle including Architectural design, Analysis, Development, Testing, Implementation and Production Support. Strong Knowledge in Full-Stack Software Development Life Cycle (SDLC) Methodologies.

Profile Summery

* Registered PATENT for NSSA over DMRR
* R-Systems Employee of the year
* Good academic background and excellent interpersonal skill
* Good exposure in Agile as well as in Waterfall methodologies
* Diversified industrial application background in domains, advanced optical character recognition (OCR), intelligent character recognition (ICR), IPTV, OTT, NMS/EMS, Cloud computing, Telecom.

Tech-Lead R-System International Noida- U.P.

**10/2019 – present**

**Project- Ephesoft Transact**

**Details**: Ephesoft Transact is a web-based application that can be installed on-premises or hosted in the cloud in a single or multi-tenant architecture. Ephesoft Transact scans and extracts data from documents that arrive in formats such as paper, fax, and email attachments. Ephesoft Transact automates the end-to-end document processing workflow with minimal operator interaction.   
Working principal mainly related to Optical Character Recognition (OCR), Intelligent Character Recognition (ICR).  
Mainly there are four workflow stages of the product, which internally compose many other aspects of product.

* Document Capture
* Image processing
* Data Extraction
* Data and Document Export

**Technologies Used:** BPMN\_2.0 Activiti, Recostar, Nuance OpenText, Zxing, SSO using SAML-2.0, OKTA, Ping-Federate, Content Management Interoperability Services (CMIS) and support of SSL/TLS, LDAP/Active Directory Federation Services(ADFS),Spring/SpringBoot,JAVA-8,Tomcat-9, Maria-DB, MSSQL, Oracle, Pentaho Kettle/Spoon, SQL-Server, Lucene, Python.

**Domain**- OCR/ICR

**Roles & Responsibilities:**

* Design and implementation of project requirements using cutting edge technologies.
* Providing functional and technical expertise to business teams.
* Evaluated system performance and created improvement plans
* Managed difficult customers with poise, compassion and support and resolved issues efficiently.
* Provide direct support to business units as a subject matter expert (SME) for security defect resolution, including vulnerability remediation and/or mitigation
* Provide leadership and guidance to onsite and off shore development teams
* Defines development tasks, assigns tasks to development team, and monitors and reports status of development tasks
* Responsible for developing components and the overall systems design
* To overcome the application performance bottleneck by integrating the APM tools such as JavaMelody, Glowroot.
* To inspect the MSSQL database side deadlocks/slow queries using SP\_WhoIsActive etc.
* Identified weaknesses in existing robustness strategies and drove improvements that eliminated random failures during high volume events.
* Apart from handling the team, working as individual contributor to provide the solution which involves integration/development of IAM such SAML2.0, OKTA,OPENID , CMIS(Alfresco CMIS services using SOAP ,atom-pubsub) .
* To upgrade the entire application from hibernate 3 to 4 and then 5 ,Spring 3 to 4,Security model upgrades.

Key Initiatives :

* + API Strategy.
  + Open-Source solution integration.
  + Dev estimations.
  + Recommended alternative solution for existing issue with legacy system.

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**05/2015- 10/2019**

**Belgacom-Proximus : IPTV**

**Project Details:** IPTV/OTT / NVR /MICRO-SERVICES, monolithic to micro-service migration

The IPTV product allows service providers worldwide the ability to deploy video in a cost effective and timely manner while generating additional revenue streams. The platform fulfills and enriches the television consumer's broadband experience through popular features including client Personal Video Recording (cPVR), NPVR, Pause Live TV (PLTV), Video on Demand (VOD), Caller ID, Favorites and Reminders.

Modules:  
• Subscriber profile management  
• Channel Management  
• Content Management  
• NPVR (Network Personal Video Recorder)  
• Concurrent Stream Management  
• Package Management  
• MMDDF (Multicast messaging and data distribution)  
• Software upgrade  
• Device Resource Management  
• Trigger Server  
• Push Message Management  
• Document Generator  
• Pin-board management  
• IBS (Interactive billing Server)

Features:   
  
The Home Entertainment Solution is an Internet based TV. The HES is rich in features like.  
• Duel CPVR (TV recording + watching other channel together)  
• VOD (Video on Demand).  
• PPV programs (Pay per view programs)  
• Walled Garden Pages (Internet surfing through Espial browser on TV(STB))  
• (EPG) Electronic Program Guide with customizable facility (such Favorites channel guide, Per channel guide, Weekly guide for all channels)  
• High Definition Streaming channels  
• Multi Lingual software (Dutch\French\English)  
• PIN Lock Facility (For Parental Control, Purchase, Settings etc.)  
• Push Messaging Feature.  
• Resource Management.

 Total-Manage: Total manage is the management-facing component and have the responsible for management Subscriber provisioning, Channel metadata, Content metadata, Transaction/billing management, Package Subscription management etc.

 URH: The uniform resource locator is the client-facing component and have the responsibilities to handle the request from set-top boxes.

**Technologies Used:** IPTV/OTT, DRM, Micro-services, JAVA, Spring/Spring-Boot, Rest, SWAGGER, Solr, Lucene.

**Domain:** Telecom/IPTV/OTT.

**Roles & Responsibilities:**

* To lead and manage the sprint team as per the Agile.
* To design Restful API for new components using Swagger.
* Design and implementation for ZERO-Touch-Configuration (ZTC) for OTT and IPTV solutions.
* Migration of few tightly coupled Monolithic components into desired micro-services.
* Verimatrix API uses for Digital Right Management.
* Aware of various aspects of micro-services such as- service discovery, api gateway, service registry, client and server side load balancing, circuit breaker.