**DEEPALI MUKKAMALA**

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**Certifications**

**Devops**



**Professional Profile**

● More than 10 years of experience in analysis, design, development and testing of Enterprise application Integration projects and networking related projects.

● Well versed with all phases of SDLC (software development life cycle) in Agile and waterfall models

● Diverse experience in Mortgage, Judicial, Energy, Pharmaceutical and Telecom industries.

● Expert level skills in systems integration, CI(continuous integration),setting up crucible projects for code review, running maven builds, generating maven sites, setting up sonar profiles and creating managing Jenkins and using git hub and experience in tech ops and dashboard monitoring tool **Splunk**.

● Knowledge in Docker, Kubernetes containerization, configuration management with Puppet and Ansible as well as AWS services: EC2, VPC

● Expert level skills in Tibco Active Enterprise Suite – TIBCO Rendezvous, TIBCO EMS, TIBCO Business Works, TIBCO Business Works Administrator and SAP Adapter

● Expert level skills in implementing Micro services, Web Services in SOA projects.

**Technical skills**

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| EAI Tools  **Devops/CI/CD** | Tibco Active Enterprise Suite - Rendezvous 7.x, ADB 5.x, File Adapter5.x, Hawk, Business Works 2.x/5.x, Repository, Business Connect, TIBCO EMS/JMS and SAP R3 Adapter 5.x,XML Spy, XML Canon  **Jenkins,Maven,SCM,github,Crucible,Splunk,Sonar, STS,docker,ansible,puppet** |
| Enterprise software | SAP |
| Operating systems | Windows XP, HP – UX and AIX Unix, Linux. |
| Others | Rational clear case, CSV, Remedy, Rally, Nexus and SVN,AWS,GCP |
| Database | Oracle, MS Access and SQL Server |
| Testing Tools | ITKO LISA, Mercury Quality center |
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**Work Experience**

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| Project # 1 | |
| Title | Common securitization platform |
| Client | Common Securitization Solutions,Bethesda,MD |
| Duration | May 16 – Mar 19 |
| Environment | Linux, AWS |
| **Technology stack:** | Tibco EMS,Jenkins, SCM, git hub, maven, crucible, Splunk, STS,Rally, Sonar, Nexus |
| Role | Application Developer |

Common securitization platform is a joint venture between Fannie Mae and Freddie Mac established to build a universal platform for the issuance and management of mortgage backed securities. This is intended to help the overall mortgage finance industry run more efficiently and with greater transparency and liquidity.

**Responsibilities**

* Implemented various CSP modules Master servicing, Issuance, Bond Admin, Registration, interacting with each other using TIBCO EMS and their own TDS.
* Worked in Devops, CI/CD team and experienced in managing Jenkins on nodes and creating jobs across multiple environments in AWS
* Set up **Sonar** profiles and generated reports for gathering code coverage metrics and reviewed to improve the code coverage.
* Installed and managed **crucible** instances for multiple projects, moderated code reviews and actively participated in meeting discussions.
* Set up ops and dashboard monitoring tool **Splunk** on WebLogic and TC2 containers to monitor processes throughput, ems topics and queues and generate metrics and send alerts to better monitor the CSP platform
* Single handedly developed **CDM** (canonical data model) to maintain XSD, entity-model, and key artifacts and integrated them to become a release using **maven** and **Git** so they would be released into **Nexus** each sprint.
* Set up new users on boarded for configuration management for role based access in **Jenkins**, **Crucible** etc.

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| Project # 2 | |
| Title | Loan Delivery |
| Client | Fannie Mae, Washington, DC |
| Duration | Nov 12 – May 16 |
| Environment | Linux |
| **Technology stack:** | Tibco EMS,Tibco BW, SCM, git hub, maven |
| Role | Application Developer Analyst III |

Fannie Mae works in the secondary mortgage market to ensure liquidity to the banks providing primary mortgage financing. Loan delivery system deals with Master servicing of the loans, calculating Bond admin figures and issue loans and eventually do a wire transfer from the Feds

**Responsibilities**

* Developed various modules Master servicing, Issuance, Bond Admin, Interfaces as micro services using Tibco Business works and interacting with each other using TIBCO EMS.
* Developed various schemas for the incoming MISMO files for loan processing
* Implemented logging and exception tracking and generated reports for the maintaining SOX compliance standards
* Participated in Project management meeting to roll out functionality on a sprint basis in agile model
* Been integral part of design documents and the creation of handbooks for customer interactions with JP Morgan chase, Bank of America and KPMG.

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| Project # 3 | |
| Title | Phoenix Integration Project |
| Client | Judicial Council of California, Administrative Offices of the Courts(AOC), San Francisco, CA |
| Duration | Mar 09 – Jul 12 |
| Environment | Unix, Windows XP |
| **TIBCO Components Used** | **TIBCO Business Works 5.X , TIB/EMS 4.x, TIBCO Business Works Administrator 5.x , XML Canon, TIBCO R3 Adapter** |
| Role | Application Developer |

TIBCO Business Works Engine polls for the Flat File from courts SFTP folder, decrypts, reads, parses, does the necessary transformation/translation (Copy of the incoming file will be stored on the SAN archive), Maps specified fields of SAP, invokes the R/3 Adapter instance to insert data into SAP, gets the response, and sends out the summary report notification to CCTC ISB support staff and Courts IT team via Email.

**Responsibilities**

* Developed business processes (Orchestrator) to pick up **PGP** encrypted files from **SFTP** location provided by the courts. The files will be picked up from the SFTP location as per the specified SLA window (Orange, Santa Clara, San Diego, Sanbernadino, Stanislaus counties) using **TIBCO Business Works and TIBCO EMS as transport**.
* Developed **Decryption** module to decrypt the downloaded files.
* Developed **SAN** archive module and prioritize module to backup and organize the files using **TIBCO Business Works**.
* Developed processes to perform data validation for the incoming files based on the appropriate BAPI using **TIBCO Business Works**.
* Developed a module to invoke respective BAPI’s in order to post data to SAP and poll the response after a certain time interval using **TIBCO SAP R3 adapter**.

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| Project # 4 | |
| Title | Enterprise Integration Project (Nodal) |
| Client | Electrical Reliability Council Of Texas (ERCOT), Taylor, TX |
| Duration | Nov 07 – Feb 09 |
| Environment | Unix, Windows XP |
| **TIBCO Components Used** | **TIBCO Business Works 5.X, TIB/EMS 4.x, TIBCO Business Works Administrator 5.x, XML Canon.** |
| **Testing Tools** | **Mercury Quality center** |
| Role | Application Developer |

Enterprise Integration Project is a part of Nodal which caters for system to system integration and integration with the market. EIP is based out of TIBCO integration with about 430 interfaces involving 30 odd independent systems.

**Responsibilities**

* Developed **web services** which can handle various requests from nodal market using **TIBCO Business works** using **SOAP** over **http**, **SOAP** over **JMS** creating **WSDLs** and **XSDs**.
* Implemented security for inbound, outbound transactions as well as at the http level.
* Developed common services for **ALE** and outbound notification using **TIBCO business works, TIBCO Rendezvous, TIBCO EMS.**
* Developed validation rule engines (**VETT**-validation, enrichment, translation and transformation) for integration layer between **registration** systems **(REG)** to **CRR** (congestion revenue rights) application. Siebel User interface to registration and also from registration to **CMM** (credit monitoring and management).
* Developed custom **java** code assertions to implement ERCOT validations on market participant data.

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| Project # 5 | |
| Title | Integrated Shared Services –MRL-G2 Technologies |
| Client | Merck & Co ,White House Station, New Jersey |
| Duration | Oct 06 – Oct 07 |
| Environment | Unix, Windows XP. |
| **TIBCO Components Used** | **TIBCO Business Works 5.X , EMS 4.x, TIBCO Business Works Administrator 5.x , XML, XSD, SOAP, WSDL** |
| Role | Application Developer |

Merck is a pharmaceutical company which processes clinical data, patient data along with purchase orders, using TIBCO applications

All the implementations are done implementing SOA Tibco software suit is used. This implementation includes around 250 services for various partners which go through security and business constraints. This implementation includes various front end systems like web applications and back end systems like Main Frames and DB2 database

**Responsibilities**

* Involved in developing technical design documents and interface design documents.
* Developed **XSD**’s for various request response messages and abstract **WSDL**’s and concrete WSDL’s.
* Used various certificates like .P12, .PFX, .CERT etc.
* Deployed various applications using TIBCO BW Administrator and **App Manager** Utility.
* Deployed various applications using scripted deployments.

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| Project # 6 | |
| Title | Anjin1 (Sanmina Corp Inc.). |
| Company | Mind Tree consulting , Bangalore India |
| Duration | May 05 – Oct 05 |
| Environment | IX load, IX chariot, Linux, HP open view, IX VPN |
| Role | Network Engineer |

**Description**:

Anjin1 is a network security device, which has firewall, IP Sec and DDOS implementation. Anjin is first of the Samurai series of Network Security products that is developed at Sanmina with conjunction with Mistletoe and Cypress Semiconductors.

**Responsibilities**:

* Responsible for Scalability testing of firewall performance, concurrent sessions, policies, site to site and remote VPN.
* Traffic testing (HTTP, FTP, Telnet, SSL, SMTP/POP, DNS, SNMP, IP Multicast, VOIP traffic).
* Interoperability testing with Cisco PIX, Cisco ASA, checkpoint (Nokia), watch guard and Symantec.
* User scenarios ( Hub and spoke VPN, site to site VPN, remote to gateway, Site to site VPN with overlapping subnets, Mesh VPN, General IP Sec VPN.
* Developed and tested VOIP for Sanmina’s telecommunication devices (IP phones)

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| Project # 7 | |
| Title | IPSO |
| Company | Nokia , Hyderabad, India |
| Duration | Sep 03 – May 05 |
| Environment | IPSO With Windows, Nokia Routers |
| Role | Network Engineer |

**Description:**

IPSO software runs on all Nokia routers used in home office and high end Enterprises. This software package is compatible with firewall packages so that this combination offers maximum internet security. IPSO consists of all networking and routing protocols which can be configured both from GUI and CLI.

**Responsibilities:**

* Configuring the interfaces both logical and physicalwith IP addresses and configuring the cluster setup.
* **Simple Network Management Protocol (SNMP):** Configuring SNMP trap receivers. Then enabling the trap receivers, checking if the traps are received or not.
* **DNS**: Configuring DNS servers and testing DNS implementation.
* **Manage packages**: Configuring various check-point fire wall packages, installing licenses and managing packages.
* **ROUTING PROTOCOLS** :
* Configuring **VRRP** set-up, **RIP, OSPF, and BGP**,generating VRRP related traps and checking master-back-up functionality.