**VARUN REDDY**

**Data Power Consultant**

**914-519-8014**

**varunreddy0526@gmail.com**



**PROFESSIONAL EXPERIENCE**

* Over 8+ years of IT Experience as Middleware Administering, Installation and configuration of web applications such as IBM WebSphere Application server, Apache, IHS web server on various platforms such as UNIX, Linux, Solaris, AIX and Windows operation systems.
* Responsible for Troubleshooting and debugging Data power services by using the problem determination tools, logs, and probes that are provided within the Data Power appliance.
* Administration and configuration of Data Power Services including Multiprotocol Gateway (MPGW), WS Proxy, XML Firewalls.
* Installed and Configured IBM WebSphere Application Server 6.0/6.1/7.0/8.5 Network Deployment Manager on various Operating Systems like Windows AIX, Linux, Sun Solaris 10, Environments.
* Experience in Installing and configuring IBM HTTP Server 6.0/6.1/7.0/8.5 with Local and Remote Plug-in for IBM WebSphere Application Server.
* Strong experience in Administration and Maintenance of WAS Network Deployment Manager Clusters (vertical, horizontal) and deployment of applications in highly available, load balancing production environments.
* Applied Fix packs / e Fixes / Refresh packs / Cumulative fix packs for WAS using Update Installer and automating it.
* Set up WSRR envi ronment and IIB to use WSRR for SOA Service versioning.
* Configured and secured Webserver interface, Session management, WebSphere resources, J2C resources, connection factories and JMS resources in IBM WebSphere Application servers.
* Involved in installing and configuring SSO on Web and App instances on kinds of OS platforms and worked closely with the Site Minder teams to trouble shoot any issues with it.
* Excellent working skills in optimization and analyzing of Enterprise Applications using tools like Wily Introscope, ITCAM, Tivoli Performance Monitor/WAS Resource analyzer.
* Worked on deployment, testing, and support services and governance for life-cycle activities, and ensures uniform implementation of standards and best practices for IBM WebSphere Data Power Integration Appliance (XI50/XI52/XS40/XG45).
* Strong knowledge in XML, XPATH and XSLT Transformations, SOAP Validations and XML schema.
* Experience with web service security using LDAP, Site Minder and Data Power
* Experience in integrating Data power with other middleware technologies like MQ, Oracle AQ, Message Broker, etc.
* Implemented Continuous Integration and deployment using various CI Tools like Jenkins, Hudson, Bamboo, Chef, Puppet, Ansible and Sonartype Nexus.
* Configuration Management and source code repository management using tools like GIT, Subversion (SVN), Perforce and PVCS.
* Experiance in configuring and maintaining Amazon Web Services which include services like Amazon EC2, ELB, Auto-Scaling, S3, Route53, IAM.
* Familiar with Load Balancer, SSL and HTTP protocols.
* Responsible for monitoring application pools and determining when traffic should be re-directed failover locations.

**TECHNICAL SKILLS**

* **Programming Languages**: C and Data structures, MATLAB, C++, Shell scripting
* **Operating Systems**: Sun Solaris, HP, AIX, Linux, Windows 98/NT/2000/XP, ZOS, UNIX.
* **Server Software**:Data Power XI50/52, XS40, WebSphere MQ, JBOSS, WebSphere 6.1, 7.0,8.5, WebSphere BPM, Tomcat, IBMIHS85/70/61,
* **Networking:** TCP/IP, HTTP/HTTPS, NFS, IMAP, POP3 and WAP
* **Monitoring Tools**: ITCAM, XPOLOG
* **Databases**: SQL Server and Sybase, DB2
* **Tools:** Chef, Puppet, Splunk, and Jenkins/Hudson Ant, Maven, DevOps, SWIFT
* **SDLC**: Agile, Waterfall

**WORK EXPERIENCE**

**Client: CVS, Chicago Il**

**Duration: January 2017 – Present**

**Role: Middleware Engineer /Data Power Developer**

**Responsibilities:**

* SOA design and development using IIB, implementing business logic and message flows. Involved in developing message flows, which converts from JSON to SOAP calls vice versa.
* Upgraded complete ESB environment from XS40 to XG45, XI50 to XI52 firmware and hardware versions
* Developed XSLT for transformations from RESTFUL to XML, JSON to JSONX. Developed XSLT (using DataPower extension functions and Variables), XPath, XML-Schemas, and WSDL.
* Created AAA policies to authenticate and authorize user requests using provider defined X509 digital cer-tificates.
* Designed and developed various XSL’s for message transformation including XML to XML, XML to Binary formats including content based routing and schema validation for message well format
* Proficient in executing CLI commands along with Web GUI and XML Management Interface for IBM DataPower administrative tasks
* Created AAA policies to authenticate and authorize user requests using provider defined X509 digital cer-tificates.
* Installation of MQ on both windows and UNIX servers, applying fix packs where needed and updated client connection channel tables to enable user connectivity without any outages.
* Performed operations on IBM HTTP server nodes, JMS nodes, MQ server and client nodes for the efficient flow of the data between applications.
* Administered the MQ Series Objects like Queue Managers, Queues, Channels, Process Definitions, Clusters, and Name Lists.
* Developed web services in Message Broker utilizing SOAP nodes and HTTP nodes. Implemented WS-Security in Message Broker.
* Collaborated closely with Business Process Analysts (BPA), Technical Architects, SMEs and other teams to gather and understand requirements, define and implement solutions, model Cases, BPDs (Business Process Diagrams) using BPMN (Business Process Modeling Notations) and IBM Blueworks Live which are related to multiple business process workflows across the application.
* Designed and developed BPM Cases using the Case Management feature of IBM BPM 8.5.6 and modeled the Top Level BPDs for the process workflows and business logic and implemented Under Cover Agents (UCAs).
* Architected the solution for integrating with Legacy Systems through SOA middleware technologies. Developed the integration points between BPM and Java services using custom built REST Web services.
* Solutioned the architecture for Process Application Data persistence in the context of External System of Records.
* Actively worked with enterprise architects for Document Management with FileNet system through BPM.
* Installed and Configured the WSRR, Service Registry on Linux environment.
* Worked on diagnosis and resolution of problems with Web Hosting, SOA and BPM Applications and services. Worked on identifying and documenting the root cause. Worked with Heap Analyzer, Thread Analyzer in analyzing heap dumps and java cores.
* Responsible for Configuration of the Deployed the applications, formats of WAR, JAR and EAR files.
* Created Data sources, JMS Providers, Virtual hosts. Involved in number of installation of IBM Websphere instances from Development to Production.
* Worked with the BPM development and IBM Support teams in resolving the issues. Worked with IBM on many PMRs and resolved many issue
* As part of DevOps, my role includes release management, Environment Management, de-ployments, Continuous integration, continuous deployment, Incident management, version management. Worked closely with the Development Team in the design phase and developed Use case diagrams using Rational Rose.
* Set up CI (Continuous Integration) for major releases in Jenkins. Used chef/Ansible for server provisioning and infrastructure automation, release automa-tion, deployment automation.
* Fundamental mastery of the AWS cloud computing platform, and its many dimensions of scalability - including but not limited to: VPC (Virtual Private Cloud), EC2, load-balancing with ELB, messaging with SQS (and scalable non-AWS alternatives), auto-scaling architectures.
* Implemented & maintained the branching and build/release strategies utilizing GIT. Extensive exposure to Configuration Management policies and practices with regards to SDLC; along with automation of scripting using BASH/Shell, Power-shell scripting.

**Environment:**

*AWS (CloudFormation, VPC, EC2, ELB, S3, CloudWatch), AIX and Windows, Shell, Python, GIT, UNIX, GitHub, Ansible, IIB, Jenkins, JSON, Chef, Maven, Puppet, Docker, LDAP, IBM WebSphere Application Server (8.5, 7.0), IBM Business Process Management (8.5), IBM DataPower, IBM MQ, SWIFT.*

**Client: AIG, Charlotte NC**

**Duration: June 2015 – December 2016**

**Role: Middleware Engineer/Data Power - Developer**

**Responsibilities:**

* Installed Configured and Administered **WebSphere Application Server ND 6.1/7.x/8.5** to **Database servers** on various platforms like **UNIX, Linux, AIX and Windows** environment.
* Involve in configuring third party authentication and authorization tool like **LDAP security, Tivoli Identity Manager, Site-minder (SSO) and TIA Agent** to setup security to the web applications.
* web-based front-end application based on the application requirement, including **load testing and regression testing** of the applications.
* Deployed **EARs, WARs** and configured application specific **JVM settings**, Web container parameters using the Admin Console. Used WSadmin scripts to invoke **Jython scripts in WAS 8.5**
* Used **LTPA** for authentication for enable the global security.
* Configured the extranet Web Servers and intranet application servers using the firewalls between the Web Servers and application servers (DMZ model).
* Configured **Single Sign On (SSO)** for authentication and authorization and Worked on IBM Tivoli Identity Management and Third-Party Vendors, such as **Site minder 6.0** and **Content Management Servers like Interwoven** etc.
* Used uDeploy and harvest repository for IIB application deployment through various environments.
* Installation and configuration of **WebSphere MQ 8.0**, creating Queue Mangers and Queues and creating channels in WMQ 8.0.
* Developed Message transformations using ESQL, Java and Mapping Nodes in IIB and XSLT in Data Power.
* Installed, Deployed and maintenance of Enterprise Applications on **Tomcat**.
* Worked on BPM(WAS) installations in the Linux.
* Worked with IBM on Failed event manager configuration setup in all the regions.
* Experienced on resolving the SSL issues between BPM while connecting to the backend services.
* Worked on integrated setup in **Tomcat** and IBMIHS85. Experience in configuring and working on SSL and TLS related issues while communicating to Backend (Data power, MQ).
* Experienced in configuring **JMS** Provider using WebSphere MQ.
* Experienced in debugging the SSL issues in connecting the backend server.
* Worked knowledge on MQ Backup and administration tasks using MQSC Commands.
* Configured different objects like **MPGW, WS-Proxy, XML Firewall** based on the client requirements.
* Responsible for design, development, implementation, support and governance for IBM Data Power Integration Appliance XI50/XI52/XS40/XG45 and IBM WebSphere Message Broker life-cycle activities
* Worked on the PEGA deployments. Have an experience in admin part of PEGA, where use to upload the records and upload the jar files using string of jar files. Worked on PEGA 5/6.1/7
* I am involved in the pega installations and pega deployments. I have worked in agile method for pega deployments. I have experienced hand-on experience on pega administration.
* Involved in trouble shooting and performance tuning using **Resource Analyzer and Log Analyzer.**
* Involved in automated administration tasks using **UNIX shell scripts**.
* Troubleshooting Admin Server start-up issues, **Java code (J2EE)** defects after deployment and class path issues by checking the JVM logs, plug-in logs and the Web server logs.
* Written some modules in puppet for provisioning and infrastructure automation.
* Set up CI (Continuous Integration) for major releases in Jenkins and TeamCity.Integrated Maven with SVN to manage and deploy project related tags. Configured Jenkins with Git and SVN for appropriate release builds.Scheduled automated nightly builds using Subversion.
* Install and configure Amazon command line interface tools Performed migrations of virtual servers from Ubuntu Open VZ physical servers to AWS EC2.
* Setting up scalability for application servers using command line interface for Setting up and administering DNS system in AWS using Route53 Managing users and groups using the amazon identity and access management (IAM).
* Hands-on experience associating bugs, tasks, and requirements to the code using TFS. Developed PowerShell 2.0 scripting to work with TFS Object Model to utilize for more repeatable, automated processes and tasks.
* Developed Powershell scripts that performs automated scanning using HP Fortify front he command line and generated the output into text format.
* Worked closely with Project manager, development, testing and production team to align project deliverables, dates and report issues/concerns.
* Assembling and Deploying the application in staging, in productions, following change management practices and 24/7 support and monitoring.

**Environment:**

*AWS (CloudFormation, VPC, EC2, ELB, S3, CloudWatch), AIX and Windows, Shell, Python, GIT, GitHub, UNIX, Ansible, Jenkins, JSON, Chef, Maven, Puppet, Docker, LDAP, IBM WebSphere Application Server (8.5, 7.0), IBM Business Process Management (8.5), IBM DataPower, IIB, IBM MQ, SWIFT.*

**Client: Huntington bank**

**Duration: July 2014 – May 2015**

**Role: DeVops/AWS/Data Power Consultant**

**Responsibilities:**

* Involvement with Capacity & Performance Tuning on **WebSphere Application Server software’s, Apache Webserver v2.0, IIS, IHS Server** and corresponding components.
* Installed and configured **IBM WebSphere Application Server 6.0/7.0**, **Deployment Manager, JDBC drivers, and Data sources on Zos/Linux.**
* Involved in various migration projects which involves installing Application, configuring **firewall** between various platforms, configuring application to the Data-base. Installing various kinds of **Certificates** on the web-based front-end application based on the application requirement, including **load testing and regression testing** of the applications.
* Managed the security and performance optimization for **EJB** containers and web applications in **IBM WebSphere, IBM IHS web server.**
* Involved in trouble shooting and performance tuning using Resource Analyzer, Thread Analyzers and log Analyzer.
* Installation of Web Sphere MQ on Unix and windows platforms.
* Configured **JDBC** provider and data source to connect to the DB2 UDB 7.2 databases for application data.
* Worked closely with developers to define and configured application Servers, Virtual Hosts, Web Applications, Web resources, Servlets, **JDBC drivers and Servlet** Engines-as well as deployment of **EJB**s across multiple instances of WebSphere.
* Installation and configuration of **WebSphere MQ 5.3**, creating Queue Mangers and Queues and creating channels in WMQ 5.3.
* Provided comprehensive subject matter expertise in IIB and Datapower.
* Experienced in configuring **JMS** Provider using WebSphere MQ.
* Deployed **EARs, WARs** and configured application specific **JVM settings**, Web container parameters using the Admin Console. Used WSadmin scripts to invoke **Jython scripts in WAS 7.x.**
* Configured the extranet Web Servers and intranet application servers using the firewalls between the Web Servers and application servers (DMZ model).
* Responsible for supporting application development, which involves design, deploying code, testing and resolving any infrastructure problems.
* Experienced in configuring objects like **WS-proxy, MPGW** and **XML** Firewall using **WebSphere Data Power XI50** appliance.
* Worked on XSLT and used XML Transformation node to transform an XML message to another form of XML message.
* Involved in IBM Data power XI 52 administration and configuration for the internal and external web services using Web GUI, CLI interface, XML Management Interface.
* Responsible for providing active testing support to customers in identifying and resolving root causes of various integration issues and troubleshoot the cause.
* Responsible for Designing and Creation of MQ objects/ Resource definitions.
* Responsible for enabling security on Data Power appliance and tested end-to-end using external tools like SOAPUI, CURL.
* Supporting production and development infrastructure, from developing andImproving re-lease automation tools and maintaining issue tracking software. Setting up the build and deployment automation for Java base project by using Jenkins and Maven.
* Implemented Continuous Integration and deployment using various CI Tools like Jenkins, Hudson, Bamboo, Chef, Puppet.

**Environment:**

*AWS (CloudFormation, VPC, EC2, ELB, S3, CloudWatch), IBM WebSphere Application Server (8.5, 7.0), UNIX, IBM Business Process Management (8.5), IBM DataPower, IBM MQ, SWIFT.*

**Client: Capital One**

**Duration: April 2012 – May 2014**

**Role: WebSphere/Data power Admin**

**Responsibilities:**

* Installed and configured **IBM HTTP Server (6.0.2.19), Apachev6 and Web server**.
* Responsible for updating refresh packs, fix packs and interim fix packs to WebSphere Application server and **IBM IHS web server 6.0**.
* Involved in trouble shooting and performance tuning using Resource Analyzer, Thread Analyzers and log Analyzer.
* Performed general operation tasks such as Firmware upgrade, User management etc.
* Worked on XSLT and used XML Transformation node to transform an XML message to another form of XML message.
* Involved in IBM Data power XI 52 administration and configuration for the internal and external web services using Web GUI, CLI interface, XML Management Interface.
* Extensive experience in configuring the HTTP Server for various clustered application servers using virtual hosting and enabling SSL security.
* Worked as a team in supporting enterprise based distributed applications over a wide range of Operating environments on a 24/7 rotation basis for high volume, secure transactions and Web service.
* Implemented SSL Mutual Authentication and XML threat mitigation in the DMZ zone Data Power devices as a part of implementing security.
* Encrypt, Decrypt incoming data depending on application requirements.
* Configured SSL Proxy Profiles for HTTPS FSH and created validation & Identification credentials with third party CA certs and keys
* Configured **JDBC** provider and data source to connect to the DB2 UDB 7.2 databases for application data.
* Worked closely with developers to define and configured application Servers, Virtual Hosts, Web Applications, Web resources, Servlets, **JDBC drivers and Servlet** Engines-as well as deployment of **EJB**s across multiple instances of WebSphere.
* Installation and configuration of **WebSphere MQ 5.3**, creating Queue Mangers and Queues and creating channels in WMQ 5.3.
* Experienced in configuring **JMS** Provider using WebSphere MQ.
* Worked on XSLT and used XML Transformation node to transform an XML message to another form of XML message.
* Worked knowledge on MQ Backup and administration tasks using MQSC Commands. and Installed and configured MQ fix packs on UNIX.
* Involved in IBM Data power XI 52 administration and configuration for the internal and external web services using Web GUI, CLI interface, XML Management Interface.
* Deployed **EARs, WARs** and configured application specific **JVM settings**, Web container parameters using the Admin Console. Used WSadmin scripts to invoke **Jython scripts in WAS 6.x.**
* Used **LTPA** for authentication for enable the global security.
* Configured the extranet Web Servers and intranet application servers using the firewalls between the Web Servers and application servers (DMZ model).
* Responsible for supporting application development, which involves design, deploying code, testing and resolving any infrastructure problems.
* Responsible for providing active testing support to customers in identifying and resolving root causes of various integration issues and troubleshoot the cause.
* Configured the extranet Web Servers and intranet application servers using the firewalls between the Web Servers and application servers (DMZ model).
* Responsible for supporting application development, which involves design, deploying code, testing and resolving any infrastructure problems.
* Experienced in configuring objects like **WS-proxy, MPGW** and **XML** Firewall using **WebSphere Data Power XI50** appliance.
* Responsible for Designing and Creation of MQ objects/ Resource definitions.
* Responsible for enabling security on Data Power appliance and tested end-to-end using external tools like SOAPUI, CURL.
* Developed and implemented **Software Release Management strategies** for various applications per the **agile process**.

**Environment:**

*IBM WebSphere Application Server ND 6.1.x/6.0.x/5.1.x/5.0.x, IBM Process Server v6.0and, IBM Tivoli Performance Viewer, JBOSS 4.0.1/3.2, Tivoli Directory Server v6.0 (LDAP), IBM HTTP Webserver v6.1/7.0, Apache v 1.3x.*

**Client: Citi Group INC., New Jersey**

**Duration: October 2009 – March 2012**

**Role: WebSphere Administrator**

**Responsibilities:**

* Installed, configured **WebSphereApplication server (6.0/6.1), IBM Http Server (6.x)**, applied refresh packs, fix packs and cumulative fixes.
* Involved in number of installations of **IBM WebSphere instances and configuring clusters (horizontal / vertical), created JDBC resources** (data source configurations) from development to production.
* Involvement with Capacity & Performance Tuning on **WebSphere Application Server software’s, Apache Webserver v2.0, IIS, IHS Server, Iplanet V6.0/6.1** and corresponding components.
* Involved in Installation, Configuration, Trouble-Shooting and Maintenance of **BEA Web Logic Server 7.0/8.1/9.x/10.x** on different **UNIX** flavors and environments.
* Integrated and deployed Enterprise **J2EE** applications on **WebSphere ND 6.1.x/6.0.x** that involves EAR, JAR, WAR files using Admin Console and automated scripts.
* Enabled WebSphere global security using **Sun One LDAP Server**.
* Configured **JDBC provider** and data source to connect to the **Oracle 10/11g databases** for application data and Experience on troubleshooting and failover connect the database with the app server.
* Involved in trouble shooting and performance tuning using **Resource Analyzer and Log Analyzer.**
* Worked with networking team to request **BIG Ip, WIP and 3DNS** requests for frontend web applications and involved in network level patching and maintenance.
* Installed and configured **IBM Http Server, Installed WebSphere plug-in**, involved in generating plug-in file and solving plug-in related issues.
* Involved in requesting, generating CSR and installing all kinds of **SSLCertificates** such as Entrust, VeriSign etc for both WEB and APP applications we support and troubleshooting certificate issues when required.
* Troubleshot Admin Server start-up issues, Java code defects after deployment, and class path issues by checking the **JVM logs**, plug-in logs and the **Webserver logs**.
* Developing andmaintaining standards (SOE) with company Audit requirements.
* Worked closely 3rd party Vendor Support team to troubleshoot various issues in all our environments.
* Interpreted with log files to locate and solve application server problems.
* Worked as a part of 24/7 on-call support for production environment.

**Environment:**

*IBM WebSphere Application Server 8.5.5/8.5/7, IBM Process Server v6.0 and, IBM Tivoli Performance Viewer, Tivoli Directory Server v6.0 (LDAP), HP Site scope v10.13, Wily v8.2.3, IBM HTTP Webserver v6.1/7.0.*

**Client: Wine Yard Technologies –Hyderabad, India**

**Duration: June 2008 – September 2009**

**Role: WebSphere Administrator**

**Responsibilities:**

* Installed and configured **IBM WebSphere Application Server 5.0/6.0**, **Deployment Manager, JDBC drivers, and Data sources on Solaris.**
* Installed, Configured and Administered **IBM HTTP Web Servers V1.3, Apache V2.0 web servers.**
* Applied Fix Packs, Refresh packs and Cumulative fixes to the already existing WebSphere versions.
* Supported Servers in heterogeneous environment including **Sun Sparc servers V8, IBM-AIX V5.1**.
* Worked with **WebSphere caching proxy (WCP)** server and Network Dispatchers for load balancing.
* Configured **Workload Management (WLM)** using **Clusters/Server** Groups and clones.
* Knowledge in using **WSADMIN (AdminConfig, AdminApp, AdminConfig)** commands.
* Implementing **LDAP** security models using **Netscape LDAP (SSO)** and **IBM Secure way (LTPA).** Created server groups, Model, clones for **WebSphere Application Server 5.0.**
* Involved in trouble shooting and Performance tuning using **Tivoli** Performance Viewer/Resource analyzer and Log analyzer.
* Worked closely with project manager, development, testing and production team to align project deliverables, dates and report issues/concerns
* Created the **Problem Management Record (PMR)** if there were any unresolved bugs.
* Provided 24x7 supports on a weekly basis for mission critical applications.

**Environment:**

*IBM WebSphere Application Server 8.5.5/8.5/7, IBM Process Server v6.0 and, IBM Tivoli Performance Viewer, Tivoli Directory Server v6.0 (LDAP), HP Site scope v10.13, Wily v8.2.3, IBM HTTP Webserver v6.1/7.0.*