AARON ABHILASH

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**Summary:**

* Cloud specialist with around 14 years of IT experience in the areas of design, development, implementation, support and user training for various internet/intranet applications, Cloud Infrastructure management, Software Configuration Management.
* Worked on Amazon Web Services (AWS) with Amazon’s cloud computing offerings and Azure based systems.
* Worked on Amazon EC2, Amazon S3, Amazon SimpleDB, Amazon Elastic Load Balancing, Amazon SQS, and other services of the AWS family.
* Installed, deployed, and upgraded AWS Cloud-based servers and services in accordance with standards and project guidelines.
* Created tagging standards for proper identification and ownership of EC2 instances and other AWS resources.
* Worked on DevOps workflow for multiple applications by orchestrating Test, Build, Release and Deploy phases through various CI/CD pipelines using Git, Jenkins, Docker, Kubernetes, Ansible.
* Experience in creating Docker containers, micro services leveraging existing Linux Containers and AMI's using Kubernetes.
* Troubleshot critical infrastructure and deployment issues in high-pressure environments, collaborating effectively across DevOps, and Security teams.
* Worked to secure-by-design infrastructure and helped evolve platform-level automation standards for infrastructure, security, and CI/CD.
* Extensive experience in deployments and management of enterprise applications using Web Sphere Application server, JACL, TCL, XML Config, Workload Management (WLM), Tivoli Performance Viewer, JMS, DB2/UDB , Oracle on UNIX(AIX, Solaris, LINUX, HP), and Windows environment.
* Installed, Configured and Administered WebSphere Commerce Server 7.x/8.x on various platforms
* Upgraded WebSphere Application Server with latest fix packs and applying feature packs for WebSphere Commerce Server.
* Worked on Trouble shooting various issues in WebSphere Commerce environments.
* Experience in creating, configuring and administrating profiles, clusters, nodes, node agents and node groups for WebSphere Application Server.
* Experience in migrating existing applications from WebSphere Application Servers 7.x to 8.x on Windows and UNIX platforms.Installed, configured, administered and supported IBM BPM 8.5 on windows and Linux operating systems.
* Applied Fixpacks, iFixes, Refreshpacks, cumulative fixpacks for various WebSphere products.
* Good knowledge of SOA and Web services technologies.
* Experienced in applying Refresh packs, Fix packs, Cumulative Fix packs for all versions of WebSphere application server and different flavors of Web Servers.
* Expertise in setting up the JDBC Resources and JMS Resources on WebSphere Application Server and Deploying the applications through admin console and command line.
* Experience in configuration of cells, nodes, clustering, application servers, virtual hosts, session management, configuring web server plug-ins, IBM HTTP Server, Apache and Sun ONE Directory Server (LDAP).
* Experience in Installation, Configuration of Sessions and Global Security in WAS.
* Experience in debugging applications in Base and ND of WebSphere Application Server providing load balancing and clustering solutions.
* Good knowledge of SOA and Web services technologies.
* Ability to analyze, design, developed, test and implement system and procedures that optimize time, effort and resources.
* Extensive experience in implementation of Workload Management (WLM) using cloning and clustering techniques including Horizontal and Vertical Scaling for failover and backup/recovery processes.
* Experienced in installing the security certificates and installing Site minder for single sign on (SSO).
* Strong leadership and onsite/offshore coordination experience and a very good team player.
* Ability to rapidly learn new concepts together with excellent interpersonal skills.
* Experience in providing 24/7 on-call support.

**Technical Skills**:

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| Operating Systems | IBM AIX, Sun Solaris, Windows, HP-UX, RHEL. |
| Languages | C, C++, Java, JavaScript, HTML,JDBC, J2EE,JMS VRML 2.0, Python, PERL, MySQL, PL/SQL, .NET |
| Web Technologies | JSP, Servlets, EJB, JMS, XML, XSLT, SOA. |
| Software/ Tools | AWS, WebSphere Application Server 7.x/8.x/9.x, Websphere Liberty Profiles 22,x, WebSphere portal Server 6.x/7.0, Tomcat 5.5/6.x/8.x/9.x, WebSphere Commerce sever 7.x/8.x, WebSphere MQ Sever 7.0/7.5, WebSphere process server 7.0, IBM BPM 8.5, ESB, Jenkins, Git, Kubernetes, IAM, Docker, Datadog, IBM Http Server 8.5/8.0/7.0/6.0/2.0.47,IIS, OAS, Azure, Apache Web Server, SunOne, Tivoli products, WebLogic 10.0, Jboss 6.x/7.x, Lotus Domino Server 7, |
| Databases | Oracle7.x/8i./9i/10g/11g/12c/19c/21c, SQL Server 7.1/8.1, DB2, Sybase12.5. |
| Security | Site Minder, ikeyman, LDAP |
| Version Controls | Rational Clear case, Git, Gitlab, CVS, Datadog, SubVersion (SVN). |
| Networking | HTTP, TCP/IP, LAN, WAN, DHCP, SMTP, IMAP, LDAP, VPN solutions. |

**Education Details:** Bachelor's in electrical and Electronic Engineering, Vasavi college of Engg, Osmania University, 2008

**Professional Experience:**

**Pitney Bowes CT, (Remote NC)**   **Nov’19– Present**

**Devops Engineer**

**Responsibilities:**

* Extensive experience with AWS (Storage, Application Services, Deployment and Management and managed servers on AWS platform instances using Jenkins, Git.
* Maintaining Docker Container clusters managed by Kubernetes, Linux, Bash and GIT.
* Maintain and deploy the artifacts from GIT release build and produce products for testing and use in production.
* Utilized Kubernetes and Docker for the runtime environment of the CI/CD system to build, test deploy.
* Engineered a secure, automated infrastructure framework across hybrid environments using Terraform, CloudFormation to ensure consistent and scalable provisioning.
* Designed and optimized Redshift data warehouses, implementing stored procedures, fine-grained access grants, and Redshift Spectrum to efficiently query structured data from Amazon S3.
* Implemented secure key management practices using AWS KMS (CMK & DEK) for data encryption, and integrated Secrets Manager for centralized credential storage in automated workflows.
* Built and orchestrated data pipelines using Apache Airflow, including custom DAG creation and execution, integrated with SFTP for secure external data exchange.
* Developed CI/CD pipelines from scratch using GitHub Actions and Jenkins, integrating automated testing, scanning, and deployment workflows to enforce DevSecOps practices.
* Managed Git-based workflows, implementing branching strategies, protection rules, and source code automation to maintain hygiene and enforce governance.
* Developed and debugged AWS Glue jobs, leveraging custom IAM execution roles to automate ETL pipelines and ensure secure, scalable data processing.
* Created and managed IAM roles with least-privilege policies, enabling secure integration and deployment across AWS services including Glue, Redshift, and Airflow.
* wrote Python scripts for system administration tasks such as log analysis, backups, and performance monitoring.
* Utilized advanced Git operations including stash, interactive rebase, merge conflicts resolution to streamline collaborative development and release management.
* Implemented identity federation and cross-account IAM policies in AWS and Azure using SAML and SSO, enabling secure resource sharing and role delegation.
* Provided J2EE-specific deployment and debugging support, ensuring high availability and optimized performance for enterprise Java applications.
* Worked on setting up Splunk configurations, maintenance and dashboard.
* Integrated Splunk with various sources including Server and application logs using splunk agent.
* Setup custom Splunk queries to analyze logs and and setup alerts.
* Supported Infrastructure Migration from on-prem to cloud for various applications.
* Strong Experience working on infrastructure for AWS platform in designing highly available, fault tolerant, scalable systems like EC2, S3, VPC, ELB, AMI, SNS, SQS, RDS, IAM, Route 53, Auto scaling, Load Balancing and Cloud Watch.
* Worked on Terraform, OpsWorks, NAT Gateways, Subnets, Security Groups, firewalls and NACL's for application deployments.
* Deploy and monitor scalable infrastructure on Amazon web services (AWS) & configuration management.
* Designed roles and groups using AWS Identity and Access Management (IAM).
* Built and Configured Linux Servers in AWS Cloud Environment and Supported AWS Cloud Migration Activities.
* Trouble-shoot Continuous integration and automated deployment and management using Jenkins, Chef, Maven, Kubernetes and Docker.
* Installed and Deployed RHEL 7/8 and installation of packages and patches for RHEL servers.
* Implemented Datadog monitoring across cloud and on-prem infrastructure, integrating metrics, and logs.
* Built custom dashboards in Datadog to visualize application health, resource utilization, and performance Metrics.
* Migrated Application monitoring from AppDynamics to Datadog.
* Responsible for setup, Installation, configuration and Administration of IBM WebSphere Application server 8.5 IBM HTTP Server 8.5, Apache and HCL commerce on RHEL and windows.
* Worked on remediation of various vulnerabilities of Infrastructure and application on various platforms.
* Installed, configured, and supported PostgreSQL.
* Involved in the Process change management Release, Problem and Change management
* Hands on experience in infrastructure design and implementation for different projects.
* Worked on Scripts for the infrastructure setup and maintenance of various application
* Worked on Providing DR solutions for our applications and setup of backups for Infrastructure.
* Work on on-call support for production applications on a 24/7 basis.

**Environment:** IBM Web Sphere Application Server 8.5, IBM HTTP Server 8.x, Apache server, AppDynamics, DynaTrace, AWS, Jenkins, Git, Kubernetes, IAM, Docker, Python, Splunk, Oracle Tomcat 8.x, Shell scripts, Datadog, PostgreSQL, HCL commerce 8.x

**Wells Fargo Raleigh, NC**   **May’18 – Oct’19**

**Devops Engineer**

**Responsibilities:**

* Expertise in Installing, configuring, administering and supporting WebSphere Application Server 8.5 base/ND/Liberty and IHS 8.5 on Linux and Windows operating system as per changes in business, legal and compliance requirements.
* Worked on containerization of portfolio applications using Docker and orchestrated deployments on AWS ECS/EKS, improving application portability and reducing environment-specific issues.
* Designed and implemented end-to-end CI/CD pipelines using tools like Jenkins, GitLab CI to significantly accelerating release cycles and minimizing manual intervention.
* Collaborated with cross-functional teams including application developers, DBAs, and deployment teams to streamline the software release process, ensuring high availability and minimal downtime.
* Worked on DevOps best practices by introducing process improvements aligned with Agile methodologies, enhancing team productivity and reducing time to market.
* Provided hands-on support and guidance to development teams on automation strategies and deployment standards, enabling seamless integration and consistent delivery.
* Monitored and maintained infrastructure health and performance, proactively identifying bottlenecks and implementing solutions for optimized resource usage.
* Perform root cause analysis on production Issues and document root cause analysis.
* Used Phire requests to work on Issues, application and product upgrades as required by the application team.
* Used BMC remedy ticketing tool for on call support and for production change requests.
* Supported AWS Cloud Migration Activities.
* Participate and work on Incident, Problem Management, change and work requests.
* Maintaining updated documentation of all the servers and the Installed application and patches.
* Work closely with Development, Applications and DB team to resolve production on-call Issues on a timely basis.
* Deployment of Enterprise archive files and Web Archive files WebSphere application servers.
* Perform triage, Impact analysis and resolution of Incidents caused by service unavailability.
* Administration and Troubleshooting Issues with the application servers Instances and third party tools used by the client.
* Configured clustering environment in Network deployment configuration and responsible for maintaining, supporting the load balancing, high availability and failover.
* Installed and configured IBM connections 5.5/6.x on Linux operating system.
* Configured TDI with LDAP and DB for IBM connections on various environments.
* Involved in configuration of WebSphere Application Server resources like JDBC Data Sources, JDBC Providers and Connection Pooling to connect to the DB2.
* Experience in working on IBM connections and troubleshooting Issues on a daily basis.
* Installed WAS and IHS in GUI and Silent mode and Migration to latest versions.
* Perform WebSphere application server and IHS upgrades including planning, scheduling, coordinating and deploying.
* Monitoring systems capacity and performance using Dynatrace and AppDynamics provide technical support as required.
* Administration of IBM http server, WebSphere Plugin and monitoring connections on WAS.

**Environment:** IBM Web Sphere Application Server 8.5/Liberty, IBM HTTP Server 8.x, AWS, EKS, Jenkins, GitLab CI,IBM Connections 5.x/6.x, AppDynamics, Dynatrace, LDAP server, DB2, ISAM, TDI, IBM connections 5.x/6.x, J2EE, JNDI, XML, Shell scripts.

**IBM Durham/Raleigh, NC Jan’14-Apr’18**

**WebSphere Administrator**

**Responsibilities:**

* Responsible for building number of new projects starting from design and architecture phase, provided customers with varied solutions for WAS 6.x/7.0/8.0/8.5.5, WebSphere BPM 8.x, WebSphere ODM 8.x (clustered topology, failover capabilities, load balancing methodologies (active/active, active/stand-by), session replications etc based on the business units on the platforms like LINUX and Windows.
* Installed, configured and administered IBM WebSphere Application Server 8.0/8.5.5, IBM Business Process Management server 8.5.5. IBM HTTP server 7.x,8.x, IIS 7,x, Apache Web server 2.2.x, Iplanet webserver 6.x, Wily Introscope 9.5.x, Appdynamics 4.0, Dyna Trace 6.x and Splunk 5.0.x on Linux 2.6.X and AIX 6.1 and windows platforms.
* Experience in Installing and configuring WebSphere Liberty.
* Installed, configured and supported IBM connections 4.x/5.x on Windows and Linux operating system.
* Installed and Configured WebSphere Portal Server 7.x/8.x on Linux.
* Configured WebSphere Application Server profiles and Deployment Manager in clustered environment to utilize the advantages of failover and load balancing in multi-node environment.
* Extensively worked on IBM Business Process Management (BPM) Process Center & Process Server
* Experienced in applying ifixes, Fix packs& refresh packs for all versions of WAS, BPM & ODM servers.
* Worked on JDK upgrade from 1.6 to 1.7/1.8 on WebSphere 8.5 Environments.
* Installed and configured ESB 7.x on widows and Linux environments.
* Applied Fixpacks, iFixes, Refreshpacks, cumulative fixpacks for WAS& BPM 8.5 versions.
* Create deployment environment DE and configured LDAP security in BPM.
* Installing, configuring, and supporting Apache and Tomcat servers 8.x on various OS.
* Installed configured and Administered JBoss Application Server 6.x/7.x on Linux.
* Experience in defect tracking tools (JIRA) and build/deployment platforms (Adobe live cycle).
* Tuned the JVMs by analyzing the heap dumps, java cores and must gather information for Application Server hung.
* Installing the security certificates and installing Site minder for single sign on (SSO).
* Involved in writing and using JYTHON, SHELL scripts to c]nfigure the WebSphere resources and setting up cron job to rotate logs for every week.
* WebSphere Application Server performance tuning using Tivoli performance viewer and App Dynamics.
* Supporting, monitoring all Applications at Development, QA and Production phases.
* Setup the disaster recovery and the backup procedures.
* Done Performance tuning for the issues interacting with IBM support team.
* Troubleshooting Admin Server start-up issues, Java code defects after deployment, and class path issues by checking the JVM logs, plug-in logs and the web server logs.
* Worked on Problem tickets with RedHat to find effective solutions to performance issues and various problems.
* Providing 24/7 on call support for deployments as well as application support.

**Environment**: WebSphere App Server 7.0/8.x base/ND IBM HTTP Server 7.x/8.5, Windows, Oracle, DB2, MQ 7.5, IIS 7.x, LDAP, Windows, WebSphere Liberty, Tomcat v8, DB2, oracle, JSP, IBM connections 4.x/5.x, HTML, Jboss 6.x/7.x, Ws Adminscripting, WPS 7.x/8.x, TPV, TDI, IBM ODM 8.5, IBM BPM 8.5,IIB 9.0, IBM Maximo.

**Bank of America, Jacksonville FL June’11- Dec’13**

**WebSphere Administrator**

**Responsibilities:**

* Installed and configured IBM WebSphere Application Server 7.0/8.0/8.5 on RHEL/Unix
* Platforms in DEV, QA and PROD environments.
* Installed and Configured WebSphere Business Events 7.0 on RHEL 5.
* Deployed application ears on WebSphere Application Server Network Deployment in QA,
* Staging and Production environments on a daily basis and troubleshot various configuration and Application issues.
* Installed and Configured WebSphere process server 7.0 on Unix/RHEL environments.
* Configured Admin security and Created user roles and groups for securing the resources Using LDAP and local operating System authentication
* Configured Session management, WebSphere resources, J2C resources, JDBC configurations, connection factories and JMS resources Creating Virtual Hosts, Creating Environment Variables in IBM WebSphere 7.0/8.x.
* Generated HTTP Plug-in and Configured with WebSphere application Sever.
* Installed WAS update installer and Installation Manager on Linux servers.
* Installing fix packs and Ifixes for WebSphere Application server on Linux and Windows.
* Involved in Performance Tuning by using wily introscope on various environments.
* Installed, Configured and supported WebSphere MQ 7.0 on RHEL.
* Good knowledge and experience with configuring Netegrity Siteminder.
* Worked on failover Exercise for production and contingency servers.
* On Call Support 24/7 for production Applications.

**Environment:** IBM WebSphere Application Server7.0/8.0/8.5, IBM HTTP Server 7.0, WebSphere Business Events 7.0, Red hat Linux 5.X, Sun Solaris 10.x, AIX 6.1, HTML, IIS 7.x, WebSphere process server 7.0, Iplanet webserver, Java Script, XML, JSP, Servlets, Wily Introscope, Site Minder and Blade logic.

**3M, St.Paul, Minnesota**  **Sep’10 – May’11**

**WebSphere Administrator**

**Responsibilities:**

* Installed and configured WebSphere Application Server 6.0/6.1/7 and IBM HTTP Server 7.0.on windows and Linux operating systems
* Installed and Configured WebSphere Portal Server 6.x/7.0 on Various OS.
* Enabled Web Content management using WPS config authoring task.
* Expertise in configuring Authoring environment and Syndication using WCM.
* Tuned Syndication by increasing Syndication interval.
* Deployed Applications (WAR, JAR, and EAR) in Domain and Clustered environment.
* Used different tools like heap dump analyzer and IBM Support to analyze the core dumps.
* Generated HTTP Plug-in and Configured with WebSphere application Sever.
* Responsible for Web server and Application server installation, support and performance
* Monitoring for all applications running on the company’s Website.
* Used Tivoli Performance Viewer and Log Analyzer for performance and troubleshooting.
* Involved in editing Jacl and Jython Scripts for WebSphere Application Server to automate the Regular Administration tasks.
* Configured WebSphere resources including JDBC providers, JDBC data sources, connection
* Pooling, and Java Mail sessions. Deployed Session and Entity EJBs in WebSphere.
* Worked with IBM Support by opening up the PMR to get the solutions for critical issues.
* Wrote scripts to perform remote deployment of J2EE application in some environments.
* Involved in monitoring, capacity planning and 24/7 on call Support / Hot pager support for several WebSphere related problems.

**Environment:** WebSphere Application Server 6.0/7.0 ND and base, Red Hat Linux v4, WebSphere Portal Server 6.x/7.x, JDBC, JMS, IBM lotus connections 2.5, Oracle, IBM HTTP Server, Jboss 5.x, Apache Web Server, WebSphere MQ 7.0, Sun Solaris 8.x, WSRR , Windows 2003/2008, Site Minder, Wily Introscope.