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Git: <https://github.com/diwakrchitoor/test/blob/master/Devops_Engineer.docx>

**SUMMARY**

* 8+ years of experience as System Administrator, AWS Cloud and Dev-Ops Engineer.
* Deployed Extrahop Monitoring tool on **AWS** to identify workloads needed to migrate to AWS and then optimize the performance and availability of Dependent Infrastructure Services.
* Hands on experience with an in-depth level of understanding in the strategy and practical implementation of AWS Cloud services including **EC2**, **VPC**, **IAM**, **SNS**, **SQS**, **RDS**, **Cloud Formation, Elastic Load Balancing, Auto scaling, S3, Route53**, security groups and Cloud monitoring using **Extra Hop.**
* Configured Ansible for scaling EC2 web servers from Route 53 Load balancer in AWS.
* Experienced with the installation and configuration on Web/Application servers – WebLogic, Tomcat, and Apache.
* Configured out-of-the-box monitoring and log indexing tools like Extra hop and Splunk.
* Pushed all configuration management using Chef and puppet to allow for rapid roll-out of new infrastructure.
* Achieved Continuous Delivery of Critical Applications by Using Blue-Green Deployment.
* Reduced applications migration issues by optimizing and iron-out inefficient processes.
* Managed a cross-functional global team of 10 members to create project plans, milestones, execute datacenter migration, and risk mitigation issues for Apple’s Customer Systems group as a part of Apple NPI initiative program.

**SKILL SET**

**Operating Systems:** Linux, Solaris and Windows.

**Programming:** Python, Perl, Shell, Ruby, AWS CLI

**Monitoring Tools:** Patrol, JMeter, Jrockit, Wily Introscope and Extra-Hop.

**J2EE Platforms:** WebLogic, Apache, Tomcat, JBoss, WebSphere.

**Version Control Systems:** Subversion, Git

**Cloud:** Amazon Web Services.

**Virtualization**: VMware, KVM.

**Load Balancers:** BIG IP F5, Cisco Ace.

**Caching/Messaging:** Hazel-Cast, Coherence.

**Automation/Build Tools:** Jenkins, Repliweb

**Configuration Management: Docker**, Chef**,** Puppet

**WORK EXPERIENCE:**

**Application Performance Engineer, Ericsson, Bellevue, WA (08/2016 – Till Date)**

* Deployed Extra hop Command Appliance on AWS to identify workloads to migrate to AWS and to optimize the performance of all Dependent Infrastructure Services.
* Tracked the efficiency of all AWS services and provide application owners with performance-based SLAs. Ensure that AWS resources are being used sensibly to cut expenses.
* Managed Multiple AWS instances, assigned security groups and configured load balancing using Elastic Load Balancer and backed out Images to AMI’s for Adding additional Instances.
* Enabled Auto scaling of the instances so as to design cost effective, fault tolerant and highly reliable systems.
* Support Service Level Agreements (SLAs) for Applications Engineering group and implement necessary processes and procedures to ensure SLAs are met.
* Involved in defect tracking, reporting and coordination with various groups from initial finding of defects to
* Conduct system performance and load testing with Jmeter to analyze test results and suggest action plans.
* Implemented triggers in Extrahop using Java Script for Capturing Custom metrics such as Http Status codes and assigning it to network devices.

**Infrastructure Engineer, Apple – Sunnyvale, CA, (2015 -16)**

* Installed, secured, and configured **AWS** cloud servers for Application Servers **using EC2, S3, VPC and R53.**
* Conceptualized and led the program for conversion of VMware’s **VM** to **KVM** for the entire Apple Customer Systems platform.
* Installed and maintained Jenkins for Continuous Delivery as well as automate Ansible Playbook runs against production infrastructure.
* Migrated Middleware Applications from Data Centers to AWS which involved co-ordination between Various Infrastructure Teams to build a high-available, robust and scalable infrastructure systems.
* Managed applications on a public EC2 instance under a public subnet with internet gateway and communicated with private application under a private subnet by a dedicated VPC, and also configured NAT and Route Tables.
* Utilize AWS CLI to automate backups of S3 buckets, EBS and create nightly AMIs for general environment set up.
* Involved in Puppet modules to automate deployment, configuration, and lifecycle management of key clusters
* Develop new non-production and production environments in Amazon Web Services.
* Automate build and deployment using Jenkins. Responsible for troubleshooting java applications and monitoring using splunk.

**Sr.Middleware Engineer, Master Card – St Louis, MO (2014 -15)**

* Created JSON templates for cloud formation and ruby scripts for Chef Automation and contributing to repository on Git/SVN**.**
* Utilized Bash/Shell Command line to Procure SSL Certificates and repo to Git Version Control to handle Authentications for Both Web and Application Servers.
* Key job duties Includes encompass managing project budgets, ensure project timelines, and communication to end users (customers) to safeguard requirements.
* Configured Software load balancers for creating VIP’s health checks and server farms at both LB level and Web Server level including creating Context Rules and setting up health Check Monitors for High Availability Scenarios.
* Installed Reporting Servers like Web Focus 7.x/8.x. Worked on migration and import exporting of scripts from Web Focus 7.7 to 8.0
* Involved in Configuring the WebSphere load balancing utilizing WebSphere Workload Management (WLM) including horizontal scaling and vertical scaling. Provided various J2EE Applications support at the Enterprise Level. Involved in Application Tuning for Optimized performance.
* Worked closely with Project manager, development, testing and production team to align project deliverables, dates and report issues/concerns.

**Weblogic Administrator, Monsanto – St Louis, MO (2011 -14)**

* Developed automated application deployment process to WebLogic and tomcat using Repliweb.
* Automated built and deployment of applications using Apache ANT, Perl & shell scripting.
* Migrated enterprise applications from WebLogic application server to JBoss Application Server.
* Configured Apache plug-ins for Jboss and weblogic application servers. Worked with different ops groups to implement the comprehensive application monitoring strategy and Patch management.
* Configured Oracle Coherence Data Grid and distributed Caching with application and application servers.
* Handled Tickets on application related issues and triaged tickets on daily basis to both onshore and offshore.
* Installed and configured Oracle Coherence clusters on distributed caching with replication models. Configured the Coherence JMX Management Framework for monitoring and tuning caching performance and troubleshooting caching errors.
* Enabled Jrockit Mission control and Flight Recorder to Monitor WebLogic Performance.
* Involved in automation for server monitoring, which include availability checks and performance checks, scripts.

**Weblogic Administrator, DHL Global Mail - Atlanta, GA (03/2011 – 10/2011)**

* Installed, upgraded patches, deployment, monitored, tuned and configured WebLogic application server in multi cluster/server environment.
* Created WebLogic portal based environment. Performed tasks such as creating Desktops and community templates for WebLogic portal server. Provide on-call supports for critical business applications throughout their life cycle, which included development, testing, break fix, testing and production environments.
* Configured and created JMS queues & topics, Data sources, bridges & connections pools & multi connection pool.
* Configured cron jobs using shell scripts to send emails to team on daily basis for weblogic health checkups.

**Weblogic Portal Administrator, TIAA-CREF - Broomfield, CO (2010-11)**

* Monitored System Activities like CPU, Memory, Disk and Swap space usage to avoid any performance issues.
* Configuration and troubleshooting of WebSphere application Server, IPlanet, IIS Web Server, Weblogic Portal and Apache HTTP /Tomcat Server Configured User Authentication and Policy Authorization Stores on LDAP Server.
* Created security policies to control access to Web and non-Web resources for audit usage. Resources were applications, content, services, and objects in applications.
* Configured and administered JDBC Connection Pools/Multi Pools/Data Sources on Web Logic Servers.
* Involved in trouble shooting and fixing day-to-day problems of the applications in production, production-Fix and testing environment.

**Weblogic Administrator, State Street Corporation – Boston,MA (2009-10)**

* Provided active support for Load/Stress Testing, troubleshooting and performance tuning.
* Configure and installed Tomcat, Jboss and WebLogic application servers.
* Configured User Authentication and Policy Authorization Stores on LDAP Server and Created Secure Socket Layer (SSL) Certificates and integrated with Weblogic Servers.
* Performed Web Logic Server Administration tasks such as installation, configuration, monitoring and performance tuning.
* Configured WebLogic Virtual hosts. Implemented scripts for administration using Python and Shell Scripting. Managed JNDI and Security and configured and monitored JMS.

**EDUCATION:**

**JNTU**, Hyderabad, India

Bachelors in Mechanical Engineering, 2002 – 2006

**University OF Bridgeport**, Connecticut, U.S.

Masters in Mechanical Engineering, 2007-2009