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| **Madhu.Palaka**  **AWS DevOps Engineer** | | | | | [**madhu.devaws@gmail.com**](mailto:madhu.devaws@gmail.com)  **+91-9989896484** | |
| |  | | --- | | **Career Summary**  **Goal oriented IT professional offering 6 years of diversified experience in Software Configuration, Build/Release Management in planning, designing, consulting, Implementation & technical skills in areas of Java, UI, AWS Cloud, Windows and Linux Environments.** | | | | | | | |
|  | **Technical Skills** | | | | | |
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|  | **Cloud Services:** Amazon Web Services , Elastic Compute Cloud(EC2), Simple Storage Services (S3), Auto-Scaling in launching EC2 instances, Elastic Load Balancer, Elastic Beanstalk, Glacier, Cloud Front, RDS, VPC, Direct Connect, Route53, Cloud Watch, Cloud Formation, IAM, SNS, Users, Profile, Elastic IP's, Nagios, GIT, Security Policies, Cloud Formation, Dynamo DB, Lambda  **Versioning Tools:** Subversion, Clear case, GIT.  **CI Tools:** Jenkins, GIT,Docker Hudson, Chef, Puppet, Team City.  **Build Tools:** ANT, MAVEN, Gradle, Blade Logic.  **Monitoring Tools:** Dynatrace, CA Willy Introscope, HP Site Scope, Spunk  **Bug Tracking Tools:** JIRA, Rally, Remedy and QC.  **Scripting:** Shell scripting, Python, Maven  **Web Technologies:** HTML, Java Script, XML, Servlets, JDBC, JSP  **Web/App servers:** Apache Tomcat, JBOSS , Web logic, Web Sphere, Web Sphere Application Server,NodeJS  **Platforms :** UNIX, Linux, HP-UX, Solaris, Microsoft Windows Vista/ XP/ 2000, Red hat Enterprise and centos.  **Databases:** Oracle 9i/10g, SQL SERVER, MySQL. | | | | | |
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| **Professional Experience** | | | | | | |
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|  | **Bank of America**  **OSI Systems PVT.Ltd** | | | | | **Apr 12 - Till Date**  **July-11- Apr12.** |
| **Professional Summary** | | | | | | |
|  | •.Around 6+ years of experience, with strong expertise in AWS and DevOps Infrastructure Design and Implementation, System Administration using various automation tools to oversee the end to end deployment process.  • Extensive experience on continuous integration, continuous deployment, continuous delivery, supporting Build .Pipelines Release Management, configuration management (Infrastructure as a code) and cloud computing  • Experience in Configuring and Deploying instances on Amazon Web services.  • Experience with Configuration Management, Build and Deploy on Amazon Web Services.  • In-depth experience with Amazon AWS Cloud Services, (EC2, S3, EBS, ELB, Cloud Watch, Elastic IP, RDS, SNS, SQS, Glacier, IAM, VPC, Cloud Formation, Route53) and managing security groups on AWS.  • Expertise in designing the network layer, right from specifying the CIDR Ranges for the virtual private cloud in multiple regions to specifying the CIDR ranges for the subnets lying inside each VPC.  •Configuration management using Amazon Cloud Formation, Continuous integration with Jenkins and Bamboo management (EC2, EBS, ASG, RDS, R53 )   Experience in version control and source code management tools like GIT, SVN.  • Worked with Puppet and Chef which is used to manage Linux but later versions support Microsoft Windows.  • Implemented multi-tier application provisioning in Open Stack cloud, integrating it with Chef/Puppet.  • Experience on Ansible as Configuration management tool, to automate repetitive tasks, quickly deploys critical applications, and proactively manage changes.  Experienced in designing and establishing the connectivity between VPCs of same region (VPC Peering), design VPC tunneling between VPCs in different regions.  • Expertise in Domain Name Service Integration, DHCP Design, Active Directory Integration and Elastic Load balancer designing.  • Expertise in designing and implementing Computer layer, like Amazon Machine Image Design and customization, Automation Scripts.  • Experienced in designing and implementing auto scaling across all the environments (Dev, Production, Testing) using the golden images.  • Expertise in designing and Implement databases in the infrastructure using RDS resulting high availability, best IOPS. Leverage automated backups feature of RDS to enable point in time recovery.  • Experience Installing a WAMP Server on an Amazon EC2 Instance Running Windows Server.  • Experience in setting up a Windows HPC cluster on Amazon EC2 instances.  • Expertise in configuring the monitoring and alerting tools according to the requirement like AWSCloudWatch, AWS CloudTrail,Dyatrace Splunk Enterprise, SNMP monitoring for the VPN connections.  • Experience in configuring Elastic Bean Stalk for developers to quickly deploy application for testing and pushing developed code for testing.  • Knowledge on Dockers based container deployments to create self-environments for dev teams and containerization. Experience in Performance Tuning in SSIS packages   |  |  |  |  | | --- | --- | --- | --- | |  | Work Experience |  |  |   **Senior AWS DevOps Engineer**  February 2016 to Till date  **Bank Of America (Mortgage)**  Responsibilities:  • Highly motivated and committed DevOps and AWS Engineer experienced in Automating, Configuring and deploying instances on AWS, Azure and Rackspace cloud environments and Data centers, also familiar with EC2, Cloud watch, Elastic IP's and managing security groups on AWS.  • Automate Deployment using configuration Management tool like ansible to provision amazon AWSInstances to enable continuous Deployments.  • Involved in maintaining the user accounts (IAM), RDS, Route 53, VPC, RDB, DynamoDB, SES, SQS and SNS services in AWS cloud.  • Worked on Autoscaling, Cloudwatch(monitoring), AWS Elastic Beanstalk(app deployments), Amazon S3(storage) and Amazon EBS(persistent disk storage).  • Experience in continuous integration technologies Bamboo and Jenkins. Designed and created multiple deployment strategies using Continuous Integration and Continuous Development Pipelines and configuration management tools with remote execution to ensure zero downtime and shortened deployment cycles via automateddeployments.  • Performed Integrated delivery (CI and CD process) Using Jenkins, Nexus, Yum and ansible.  • Responsible for proper functioning DEV/TEST/STG/PROD environments for these applications.  • Maintained Jenkins continuous integration infrastructure and automated releases to DEV/TEST/STG/PROD environments.  • Participated in after hours on-call rotation to support Ops performs deployments on PROD environment.  • Managed Ansible Playbooks with Ansible roles. Used file module in Ansible playbook to copy and remove files on remote systems.  • • Created inventory in Ansible for automating the continuous deployment and wrote playbooks using YAML scripting.  • Implemented and designed AWS virtual servers by Ansible roles to ensure deployment of web applications. Worked with multiple development teams to troubleshot and resolve issues.  • Integrated Selenium automation regression test suite in Jenkins build pipeline.  • Knowledge with Source Code Management and Project Management tools (i.e. Subversion, GIT).  • Good experience writing Manifests, Modules using Industry Best Practices for both Deployment Automation and Infra Configuration Management. | | | | | |
| **AWS Solution Architect**  **Bank Of America (Insurance)**  June 2015 to January 2016  Description: Germania Insurance is a company based in Texas and provides home insurance, auto insurance, life insurance, liability insurance, farm, ranch, commercial insurance, property insurance, and annuities. I was involved in making some enhancements to the policy processing module.  Responsibilities:  • Launching Amazon EC2 Cloud Instances using Amazon Web Services (Linux/ Ubuntu) and Configuring launched instances with respect to specific applications.  • Installed application on AWS EC2 instances and configured the storage on S3 buckets.  • Performed S3 buckets creation, policies and on the IAM role based polices and customizing the JSON template.  • Implemented and maintained the monitoring and alerting of production and corporate servers/storage using AWS Cloud watch.  • Managed servers on the Amazon Web Services (AWS) platform instances using Puppet, Chef Configuration management.  • Installed Workstation, Bootstrapped Nodes, Wrote Recipes and Cookbooks and uploaded them to Chef-server, Managed On-site OS/Applications/Services/ Packages using Chef as well as AWS for EC2/S3&ELB with Chef Cookbooks.  • Create Chef Automation tools and builds, and do an overall process improvement to any manual processes.  • Installation, configuration and administration of Virtual Box and VMware virtual machine for Ubuntu Linux servers.  • Written Chef Cookbooks for various DB configurations to modularize and optimize product configuration.  • Converting production support scripts to chef recipes. And AWS server provisioning using Chef Recipes.  • Worked on creation and managing IT infrastructure and application stack using AWS Cloud Formation and writing the template file using JSON.  • Managing the multi-tier and multi-region architecture using AWS Cloud Formation.  • Experienced in build and deployment of Java applications on to different environments such as QA, UAT and Production.  • Branching, Tagging, Release Activities on Version Control Tools: SVN, GitHub.  • Extensive usage of Tortoise SVN in windows environment for version control activities.  • Implemented Continuous Integration using Jenkins and Hudson.  • Build scripts on AWS cloud for scheduling EC2 auto scaling load balancer with python SDK.  • Application Deployments & Environment configuration using Chef, Puppet..  • Deployed the java application into web application servers like Apache Tomcat.  • Experienced in deployment of applications on Apache Web server, Nix and Application Servers such as Tomcat.  • Virtualized the servers using the Docker for the test environments and dev-environments needs. And also configuration automation using Docker containers.  • Coordinated with the Offshore and Onshore teams for Production Releases. | | | | | | |
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|  | **AWS Solution Architect**  **Bank Of America (Imaging)**  November 2014 to May 2015  Responsibilities:  • Evaluating performance of EC2 instances their CPU, Memory Usage, IOPS, Network Usages and suggest appropriate instance type for the same  • Working on AWS Elastic load balancing for deploying applications in high availability.  • Working on AWS Auto Scaling for providing high availability of applications and EC2 instances based on the load of applications by using Cloud Watch in AWS.  • Using AWS S3 to store code bundles to deploy onto EC2 Instances.  • Working on providing DNS management using AWS Route 53.  • Managing the infrastructure of applications on AWS.  • Suggesting the best possible services of cloud as per requirement.  • EBS Volumes management and working on creating snapshots for backups manually and using script.  • Worked in configuring Elastic Bean Stalk for developers to quickly deploy application for testing and pushing developed code for testing.  Environment: Amazon Web Services, AWS elastic compute cloud (ec2), Elastic Load Balancer (ELB), Simple Storage Service(S3), Virtual Private Cloud, Auto Scale, Relational Database Services(RDS), CloudFront, NACLs, Security group configurations, Route 53.  **DevOps Engineer**  **Bank Of America**  September 2013 to October 2014  Responsibilities:  • Performed software configuration/release management activities for three different Java applications  • Designed and implemented Continues Integration process and tools with approval from development and other affected teams.  • Managed Windows virtual servers and Ubuntu Linux (Rackspace and AWS EC2) with Chef using Git.  • Configuring AnthillPro as a common build engine to build and promote applications to DEV, QMG, UAT, PROD, and DR to UNIX environments.  • Release Engineer for a team that involved different development teams and multiple simultaneous software releases and implemented Continuous Integration Process.  • Participated in weekly release meetings with Technology stakeholders to identify and mitigate potential risks associated with the releases.   Directed the Release Management Calls to synchronize with the Developers, Testers and DBA teams for successful Release.  • Presented reports to the Project manager about the progress and issues tracking key project Milestones, plans and resources.  • Involved in troubleshooting of user interface using JSP.  • Pushed releases to QA, Beta, and production environments.  **Cloud Engineer**   Bank of America  April 2012 to September 2013  Responsibilities:  • Implemented continuous integration and deployment solutions to target environments.  • Installation of Red Hat Enterprise Linux. Configuration and troubleshooting for Red Hat Linux.  • Configuring and Networking of Virtual Private Cloud (VPC) Written Cloud formation templates and deployed AWS resources using it.  • Creating S3 buckets and also managing policies for S3 buckets and Utilized S3 bucket and Glacier for storage and backup on AWS  • Involved in designing and deploying a multitude applications utilizing almost all of the AWS stack (Including EC2, Route53, S3, RDS, Dynamo DB, SNS, SQS, IAM) focusing on high-availability, fault tolerance, and auto- scaling in AWS Cloud formation.  • Creating Cloud watch alerts for instances and using them in Auto scaling launch configurations.  • Bootstrapping instances using Chef and integrating with auto scaling. Manage the configurations of multiple servers using Chef Written multiple manifests and also customized facts for efficient management of the Chef clients.  • Written scripts in Python to automate log rotation of multiple logs from web servers.  • Implemented and maintained the monitoring and alerting of production and corporate servers/storage using AWS Cloud watch.  • Launching Amazon EC2 Cloud Instances using Amazon Web Services (Linux/ Ubuntu/RHEL) and Configuring launched instances with respect to specific applications.  • Installed application on AWS EC2 instances and also configured the storage on S3 buckets.  • Performed S3 buckets creation, policies and also on the IAM role based polices and customizing the JSON template.  •Involved in scrum ceremonies (stand-up, grooming, planning, demo/review and retrospective) with the teams to ensure successful project forecasting and realistic commitments. Involved in scrum meetings, product backlog and other scrum activities and artifacts in collaboration with the team. Migrating the data to respective DEV and QA Oracle database before doing code roll-out.  **Build and Release Engineer**  OSI Systems  July 2010 to March 2012 • Jenkins, Confluence, Java/J2EE, ANT, MAVEN, Web Logic, Python Scripting, Shell Scripts, Puppet, Junit, JXML, UNIX, Windows XP, Oracle.  • Develop tools to manage, deploy, monitor, and scale our SaaS/PaaS infrastructure.  • Work closely with development teams to plan maintain, manage and enhance the platform. Streamline the processes of getting things from code to production safely.  • Design and setup Scalable and High Available clusters. Configure System Monitoring and Alerting. Work closely with Operations and QA teams in building servers.  • Develop framework for System Automation. Design and Automate LDAP security groups and permissions.  • Configured Apache webserver with Websphere application server through proxy plug-in.  • Created Self Certified Digital Certificates (SSL) on BEAWebLogic 8.x/10.x/11gAppServer.  • Collection of JVM statistics, garbage collection data for monitoring the heap and physical memory.  • Day to day system administrators activities which includes performance monitoring and tuning, disk space issues, send mail issues, Tools related issues, FTP, telnet& application oriented issues.  • Experience using weblogic. Admin, weblogic. Deployer and weblogic server commands  • Developed scripts (start/stop/backup recovery) for WebLogic application server administration. Developed WLST, ANT scripts, UNIX shell scripts to automate the deployment process.  • Analyzing Threaddumps, pstack to find the problems in application.  • Dealt with troubleshooting issues like Server hang, Application Deadlock, Out of Memory Issue, High memory usage and High CPU.  • Provided 24/7 on call support in both testing and production environment.    |  |  |  |  | | --- | --- | --- | --- | |  |  | | | |  |  | | | | **Education** | | | | |  | **Post-Graduation**: Master of Technology, M.Sc(Tech) Andhra University | | | |  |  | | | |  |  | |  | | **Personal Details** | | | | |  |  | | | |  | **Date Of Birth** | 22th December1986 | | |  | **Marital Status** | Married | | |  | **Languages Known** | English, Hindi, Telugu | | |  | **Nationality** | Indian | | |  |  |  | | | | | | | |
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