**ANUPAMA B**

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* **10** + years of experience as a Devops and Build and Release Engineer in automating, building, deploying, and releasing of code from one environment to other environment and System Administration.
* Ability in managing all aspects of the software configuration management process including code compilation, packaging, deployment, release methodology, and application configurations.
* Implemented CI and CD successfully using Jenkins, Ansible and AWS.
* Experience in cloud technologies on AWS Platform.
* Deploying infrastructure on AWS - utilizing services such as EC2, VPC, S3, Cloud Watch, Auto scaling, ELB, ECS and EKS.
* Knowledge on Cloud technologies including Infrastructure as a Service, Platform as a Service, and Software as a Service provider (IaaS, PaaS, and SaaS).
* Experience in working on Terraform for provisioning the environments in AWS.
* Experience in using Ansible for configuration management
* Implemented Sonar from scratch for Code Quality Analysis.
* Experience in working on source control management tools like Subversion (SVN) and GIT
* Extensively worked on Hudson/Jenkins for continuous integration and for End to End automation for all builds and deployments.
* Expert in deploying the code through web application servers like Web Sphere/Web Logic/ Apache Tomcat/JBOSS.
* Extensive experience using Maven as a Build Tool for the building of deployable artifacts (war & ear) from source code.
* Experience in administration, configuration and Maintenance of Nexus Repository Managers for Maven builds.
* Worked with Container based deployments using Docker with Docker images and have a good knowledge on Kubernetes.
* Managed environments DEV, SIT, QA, UAT and PROD for various releases and designed instance strategies.
* Ability in development and execution of Shell Scripts.
* Excellent experience in documenting and automating the build and release process.
* Worked with Engineers, QA and other teams to ensure automated test efforts are tightly integrated with the build system and in fixing the error while doing the deployment and building.
* Exposed to all aspects of software development life cycle (SDLC) such as Analysis, Planning, Developing, Testing, Implementing and Post-production analysis of the projects.
* Proficient in tracing complex build problems, release issues and environment issues in a multi-component environment.
* Expertise in trouble shooting the problems generated while building, deploying and also in production support.
* Excellent communicative, interpersonal, intuitive, analysis and leadership skills with ability to work efficiently in both independent and team work environments.
* Good understanding of the principles and best practices of Software Configuration Management (SCM) in Agile and Waterfall methodologies.
* Worked closely with Project Manager, Development, Testing & Production teams to align Project deliverables, dates & report issues/concerns.
* Efficient in working closely with teams to ensure high quality and timely delivery of builds and releases.
* Handled Multiple Tasks simultaneously, prioritized and always met deadlines.

**Technical Skills**

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| **BUILD TOOLS** | Maven |
| **DATABASES** | Oracle, MYSQL |
| **SCRIPTING LANGUAGES** | Shell scripting, Python Scripting, YAML |
| **SCM TOOLS** | SVN, GIT |
| **MONITORING TOOLS** | Cloud Watch  |
| **CONFIGURATION MANAGEMENT** | Ansible |
| **OPERATING SYSTEM** | Redhat, Linux, Windows |
| **CONTAINERIZATION TOOLS** | Docker, Kubernetes |
| **CLOUD SERVICES** | AWS |
| **PRODUCTION SUPPORT / APPLICATION SERVER** | Web Sphere/Web Logic/ Apache Tomcat/JBOSS |
| **CONTINOUS INTEGRATION TOOLS** | Jenkins |

**EMPLOYMENT RECORD**

**DEVOPS / AWS CLOUD ENGINEER JUN 2019 – PRESENT**

**State of Maryland**

**Linthicum Heights, Maryland**

**Tasks Handled**

* Experience in planning, designing, consulting, Implementation & technical skills in areas of AWS Cloud and Linux
* Worked on AWS services EC2, VPC, S3, Cloud Watch, Auto scaling, ELB, ECS and EKS.
* Utilized Splunk as the monitoring tool for monitoring the servers.
* Developed TERRAFORM templates to launch EC2’s in the AWS with different services like auto scaling, Load balancer, monitoring, security roles, etc.
* Designed DevOps workflow for multiple applications by orchestrating Test, Build, Release and Deploy phases through various CI/CD pipelines using Git, Maven, Jenkins, Ansible, Docker & Kubernetes.
* Configuration of Ansible modules for AWS cloud deployment.
* Worked with Ansible playbooks for virtual and physical instance provisioning, configuration management, patching and software deployment on AWS environments.
* Build the artifacts through JENKINS CI/CD pipeline and Resolved the issues occurred during the build process.
* Configured and managed source code using GIT and resolved code merging conflicts in collaboration with application developers.
* Configured AWS ECS for deploying and orchestrating containers by defining tasks and services.
* Deployed application which is containerized using Docker onto a Kubernetes cluster which is managed by Amazon Elastic Container Service for Kubernetes (AWS EKS).
* Built the artifacts and deployed the applications in Docker Containers in efficient way.
* Configured ‘Kubectl’ to interact with Kubernetes infrastructure and used TERRAFORM to launch a cluster of worker nodes on Amazon EC2 instances.
* Used Apache Tomcat as the application server for the deployment of the code on windows and Linux environments.
* Used Jira as Ticketing System Tool to handle the issues/tasks/service requests created by multiple team members across the project.
* Involved in Bi Weekly Scrum calls as part of AGILE model methodologies.

**Tools:** AWS, Ansible, Git, Docker, Kubernetes, JIRA, Jenkins, Maven, Nexus, Apache Tomcat. Sonarqube.

**DEVOPS ENGINEER JAN 2018 – MAY 2019**

**American Express**

**Phoenix, Arizona**

**Tasks Handled**

* Configured and maintained user accounts for Dev, QA, and production teams and created roles for EC2, RDS, S3, Cloud Watch, EBS resources to communicate with each other using IAM.
* Designed, Installed and Implemented ANSIBLE configuration management system.
* Developed Ansible roles to maintain the large playbooks easily.
* Used the Ansible Galaxy, a shared repository for the roles to download, share and manage the roles
* Experienced working with Ansible tower to create projects, inventory file, jinja2 templates and scheduling jobs.
* Configuration of Ansible modules for AWS cloud deployment.
* Build the deliverable artifacts using MAVEN as a build tool in Jenkins for Java applications and deploy them to various environments and Implemented & maintained the Branching and Build/Release strategies
* Deployment of the Business processes by creating JAR, WAR and EAR files to Weblogic, Tomcat application servers.
* Built, configured and supported Application team environments.
* Used Maven for building the applications and developing the build scripts.
* Managed Maven project dependencies by creating parent-child relationships between projects.
* Installed Jenkins on a Linux machine and created a master and slave configuration to implement multiple parallel builds through a build farm.
* Used Jenkins for Continuous Integration and deployment into Tomcat Application Server.
* Configured jenkins slaves and achieved the load balancing on Jenkins.
* Configured and managed jobs in Jenkins. Set up jobs for auto deployment.
* Analyzed and resolved conflicts related to merging of source code for GIT/GitHub.
* Administered , created projects, users and taken care of access controls in GitHub.
* Proposed different branching strategies for GIT to support the parallel development for various projects.
* Created backup scripts for GIT and perform the backup activity every week.
* Configured and managed source code using GIT and resolved code merging conflicts in collaboration with application developers.
* Created custom shell / python scripts for various automation purposes.

**Tools:** AWS, Ansible, Git, Python, Shell scripting, JIRA, Jenkins, Maven

**DEVOPS / BUILD & RELEASE ENGINEER JAN 2015 – DEC 2017**

**BioReference Laboratories**

**Elmwood Park, NJ**

**Tasks Handled**

* As member of Release Engineering group, redefined processes and implemented tools for software builds, patch creation, source control, release tracking and reporting on UNIX platform.
* Developed Ansible Playbooks to configure, deploy and maintain software components of the existing infrastructure
* Written Docker Images to implement containerization.
* Integrated GIT, Sonar, Docker, Ansible with Jenkins to implement CI/CD process.
* Assist with maintaining current build systems, developed build scripts, and maintained the source control system.
* Implemented Pipeline as a code Jenkins plugin and developing Pipeline (Groovy) Build scripts, testing, applying them on different test environments.
* Manage the release-to-production processes for Web Services IT solutions.
* Building and Deploying Java/J2EE to a web application server in an Agile continuous integration environment and also automated the whole process, troubleshooting the build and deploy failures.
* Coordinating the resources by working closely with Project Manager’s for the release and Project Manager for all the Operational Projects.
* Prior to QA release merge all the development branches to the release branch and perform a QA migration.
* Responsible for maintaining build scripts and checking build status. Maintained and modified scripts and documented process for build.
* Build and release software baselines, code merges, branch and label creation and interfaced between development and infrastructure.
* Setup different environments like DEV, TEST, QA, UAT, STAG and PROD.
* Worked on Multi project jobs in Jenkins and used pipeline plugin to manage them.
* Used monitoring tools like Splunk to see the status of the applications running on different environments and to see the status of the Unix vms.

**Tools:** GIT, Maven, Apache Tomcat, WebLogic, Java/J2EE, Shell Scripts, Jenkins, Jira, RHEL,CentOS.

**BUILD & RELEASE ENGINEER JUN 2013 - DEC 2014**

**State of New York**

**Albany, NY**

**Tasks Handled**

* Developed and supported the Software Release Management and procedures.
* Responsible for design and maintenance of the Subversion/GIT Repositories, and the access control strategies.
* Worked with Subversion, Proposed and implemented branching strategy suitable for agile/scrum development in a fast paced Engineering Environment.
* Performed all necessary day-to-day Subversion/GIT support for different projects.
* Implemented & maintained the branching and build/release strategies utilizing Subversion /GIT.
* Implemented the migration of SVN to GIT.
* Efficiently performed the task of resolving conflicts while merging in Subversion with the J2EE development background.
* Performed merges and executed builds on a pool of dedicated build machines.
* Involved in periodic archiving and storage of the source code for disaster recovery.
* Used MAVEN as a build tool on java projects for the development of build artifacts on the source code.
* Developed build and deployment scripts using MAVEN as build tool in Jenkins to move from one environment to other environment.
* Involved in editing the existing MAVEN files in case of errors or changes in the project requirements.
* Automated the build and release management process including monitoring changes between releases.
* Deployed the Java applications into Tomcat web application servers.
* Executed user administration and maintenance tasks including creating users and groups, reports and queries.
* Worked as a system administrator for the build and deployments process for DEV and TEST Environments.
* Expert in User Management and Plugin Management for Jenkins.
* Documented project’s software release management procedures with input decisions.
* Developed, maintained, and distributed release notes for each scheduled release.
* Provided periodic feedback of status and scheduling issues to the management.
* Created END-END Automation with CI Procedures using Jenkins.
* Worked with Development Team Leads and Testing teams to establish a build schedule, execute the builds and troubleshoot build failures, if any.
* Coordinate with the Development Teams to receive the correct versions of re-usable and dependent components and with Environment team for issuing/installing successful builds.

**Tools:** Subversion, GIT, Jenkins, Java/J2EE, MAVEN, JIRA, LINUX, XML, Apache Tomcat, Oracle, Perl Scripts, Shell scripts.

**LINUX ADMINISTRATOR JUN 2011 - MAY 2013**

**Micropower Career Institute**

**New York, NY**

**Tasks Handled**

* Developed and maintained cooperative and collaborative relationships with networking, storage, software development, and project management teams
* Monitored production systems, applications and network performance through the use of various Network Management and Application Monitoring Tools
* Developed tools/scripts to automate integration with other IT tools in support of accurate asset management, cyber reporting capabilities and to manage licenses
* Worked with software developers and Quality Assurance to seamlessly migrate applications from development to QA and production
* Provided support to customers running RedHat Enterprise Linux on their workstations and simulation servers
* Identified and drive continual improvement program in UNIX environment and improve the service efficiency
* Worked closely with other IT departments to help determine and develop systems that will be implemented
* Troubleshooted Unix related issues.
* Worked on NFS issues like mount problems, deadlocks, check-autofs.
* Checked apache & mail logs to troubleshoot webserver and mail server related issues.
* Wrote bash shell scripts on local setups to automate jobs.
* Updated check-disklists
* Built new servers with respect to company defined policies.

**Tools:** LINUX, UNIX, SQL 2000 & 2008, MS-Office, Windows XP/2000/NT, XML and HTML, .NET Framework 2 and 3.5, C# and vb.net.

**QA ANALYST / SYSTEM ADMINISTATOR JAN 2007 – MAY 2011**

**Micropower Career Institute**

**Bangalore, India**

**Tasks Handled**

* Participated in the walkthrough of the software created by the in-house development team.
* Assisted in the development of test plans and procedures.
* Analyzed business requirements and develop detailed Test Matrices, Test Scenarios and Test Cases.
* Executed basic to complex software tests, document reproduction steps and analyzed test results.
* Provided defect information to the software development team in a complete and concise manner.
* Tracked the progress of the software under testing, escalated issues to developers and verified fixes.
* Attended weekly test report meetings and presented progress updates.
* Executed Backend testing using SQL queries.
* Installed, configured, and supported Micropower’s local area network (LAN), wide area network (WAN), Internet and network systems.
* Maintained network hardware and software.
* Monitored network to ensure network availability to all system users and performed necessary maintenance to support network availability.
* Supervised other network support and client server specialists.
* Planned, coordinated, and implemented network security measures.
* Engaged in the development and creation of software and systems consistent with the company’s hardware and software requirements.
* Developed and modified computer programs
* Reviewed computer system capabilities, workflow and information processing systems to develop effectiveness.
* Developed new systems to improve inventory, billing and accounting.
* Upgraded the system and corrected errors to maintain the system after implementation of new information and computer requirements.

**Tools:** Manual testing, Agile Methodology, LINUX, UNIX, SQL 2000 & 2008, MS-Office, Windows XP/2000/NT, XML and HTML, .NET Framework 2 and 3.5, C# and vb.net.

**Education & Certifications**

**Calicut University, Kerala, India** - Bachelors in Computer Science and Engineering (2002 -2006)

**AWS Certified SysOps Administrator – Associate** – (2020)

**CCNA (Cisco Certified Network Associate)** – (2006)

**MCP (Microsoft Certified professional)** – (2006)

* References & Passport copy can be provided upon request.