**Ajay Vattipally**

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**Professional Summary**

* Strong experience in Cloud computing, DevOps Implementation, Build & Release engineering.
* Expertise in AWS cloud services management across a large, multi-service infrastructure.
* Demonstrated expertise in designing, implementing, and managing cloud infrastructure solutions on AWS, including but not limited to EC2, S3, VPC, IAM, and CloudFormation.
* Very good knowledge and experience with **Ansible, Maven, Gradle, ANT, MSBuild, Jenkins, Cruise Control, Anthillpro.**
* Extensively worked on **Jenkins** for configuring and maintaining continuous integration (CI) and for End to End automation for Mobile and Web applications.
* Played a key role in automating the deployments on AWS using **GitHub, Terraform, Ansible and Jenkins.**
* Having good implementation experience with installation and configuration of **Kubernetes** , clustering them and managing local deployments in **Kubernetes**.
* Provided a consistent environment using **Kubernetes** for deployment scaling and load balancing to the application from development through production, easing the code development and deployment **pipeline** by implementing **Docker** containerization.
* Used various defect tracking and change management tools like **Bugzilla, JIRA, Maximo, Crucible and Confluence.**
* Experience in identifying areas of improvement and streamlining the build and release process.
* Hands-on experience in all stages of **SDLC** including proposal, process engineering, design, development, testing, deployment and support.
* Given multiple training on **CI/CD** and build process to multiple project teams in a global distributed development environment.
* Experience in setting up QA environments using **Virtual box** and **Vagrant**.
* Coordinated different teams across the globe to deploy builds to different environments on parallel development for multiple projects.
* Trained all developers and CM team on best practices and new features of the tool.

**Technical Skills**

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| **SCM Tools** | Git, Subversion, Perforce, Ant, Maven, MS Build, Nant, Jenkins, AnthillPro, Cruise Control, Ansible, Gitlab |
| **Operating Systems** | MacOS, Microsoft Windows Server, Linux, UNIX |
| **Scripting Languages** | Shell Scripting, Python |
| **Cloud Technologies** | AWS, VMware |
| **Infrastructure Automation** | Terraform |
| **Containers/Orchestration** | Docker, Kubernetes |
| **Tracking tools** | Jira, Confluence, Maximo |

**Educational Qualifications**

* Bachelors in Engineering and Technology from Jawaharlal Nehru Technological University, Hyderabad, A.P, India.
* Master Of Engineering from Lamar University, TX, USA.

**Professional Experience**

**Abbott Diabetes Care Inc. Title: Sr. Devops Engineer Duration: Dec 2022 - Feb 2024**

**Responsibilities:**

* Led a team to set up CI/CD environments from scratch for multiple ADC products using Git, Jenkins, Maven, Gradle, Vagrant, AWS, Terraform, Docker, Kubernetes, Jira, Slack.
* Implemented AWS CodePipeline and Created Cloud formation JSON templates in Terraform for infrastructure as code.
* Automate provisioning and repetitive tasks using Terraform and Python, Docker container, Service Orchestration.
* Identify areas of improvement in the existing CI/CD pipeline and work towards reducing the overall build time.
* Proactively seeks opportunities to implement improvements to internal development processes.
* Used AWS CLI to manage multiple AWS services.
* Maintain multiple code bases and resolve code merge conflicts
* Work with developers, QA to resolve build and deployment issues in a speedy manner.
* Introduced Static Code analysis to the existing build pipeline using SonarQube.
* Create and maintain documentation of the build/release process, server infrastructure and software tools.

**Adobe Inc.**

**Title: Sr. Devops Build Engineer Duration: Jan 2021 - Dec 2022**

**Responsibilities:**

* Developed CI/CD pipelines across platforms like Windows, Mac, iOS, and Android
* Updated the Jenkins pipeline scripts to do per-platform PR checks before merging to branches
* Maintaining the build systems with latest versions to streamline builds
* Developed Pipeline scripts to comment the associated Jira tickets with build version and move the status to Testing
* Maximizing the performance and reliability of Jenkins to speed up the CI process
* Install/upgrade Xcode on Mac servers for Jenkins builds
* Automate Code signing process for iOS and Android artifacts using custom in-house tools
* Configured gcloud CLI to run Android Instrumentation tests using Firebase test lab and Jenkins.
* Implemented Jenkins Configuration As Code (JCasC) by creating yaml files which create the entire jenkins environment (Global configuration, tools, credentials, security, users, jobs) from ground up.

**Tibco Software Inc.**

**Title: Sr. Devops Build & Release Manager Duration: June 2016 - Dec 2019**

**Responsibilities:**

* Led the design and implementation of a Terraform-based infrastructure automation framework, reducing provisioning time by 50%.
* Configured AWS Identity and Access Management (IAM) Groups and Users for improved login authentication.
* Provided policies to groups using policy generator and set different permissions based on the requirement along with providing Amazon Resource Name (ARN).
* Proactively seeks opportunities to implement improvements to internal development processes.
* Identify areas of improvement in the existing CI/CD pipeline and work towards reducing the overall build time.
* Managed On-site Operating Systems, apps, packages and services using Chef as well as AWS for EC2, S3, Route53 & ELB with Chef Cookbooks.
* Work with developers, QA to resolve build and deployment issues in a speedy manner.
* Created self-service jobs in jenkins (pipeline jobs) which run the entire CI/CD pipeline workflow.
* Identify, improve and create processes and tools to add to developers productivity.
* Integrate new tools to the existing pipeline as per the development team needs.

**Tibco Software Inc.**

**Title: Devops Build/Release Engineer Duration: Apr 2015 - Jun 2016**

**Responsibilities:**

* Created alarms and trigger points in CloudWatch based on thresholds and monitored the server's performance, CPU Utilization, disk usage and Utilized AWS CloudWatch services to monitor environment for operational & performance metrics during load testing.
* Experience in implementing AWS lambda to run servers without managing them and to trigger run code by S3 and SNS.
* Supported AWS cloud environment with 100+ AWS instances and configured Elastic IP & Elastic Storage and experience in working on implemented Security groups and Network ACLs.
* Played a major role in streamlining the build, deployment and release process.
* Investigation of build compilation failures within .NET and Java based code lines.
* Improve build and release process through documentation, communication.
* Deployment of C# and Java code to Development, User Test and Production environments.
* Cruise Control and Distributed Jenkins based Continuous integration environment implementation, development and maintenance. Integrating existing software products and getting incompatible platforms to work together.
* Automated deployments to QA and UAT environments using Jenkins for .Net and Java applications.

**Hertz**

**Title: Release Engineer Duration: Jan 2012 - Apr 2015**

**Responsibilities:**

* Planning for releases upfront and make sure there is zero downtime
* Work with PM to get the required details related to releases and keep our release web portal up to date.
* Updated the build and deployment scripts to backup the code package on the build and target server respectively.
* Coordinate with the developers and QA during code push to different environments.
* Troubleshoot production issues and executed Level 1 & 2 release activities
* Assisted developers, QA engineers, peers and technical owners
* Work with a cross-functional team to support each release project plan and post release/change review.
* Build code and deploy it to Staging and Production Centers via AnthillPro
* Automate deployments to all environments using Anthillpro.
* Work with DBA’s to execute DB scripts on all the environments using Maximo requests.
* Built Linux and windows EC2 instances on AWS
* Created and updated AMI's with new software and patches
* Create new Accurev workspace for every release and merge code to parent streams after every release goes live

**ING DIRECT (Capital One) Title: Build & Release Engineer Duration: July 2009 – Jan 2012**

**Responsibilities:**

* AnthillPro administration, Subversion administration, AccuRev administration and Repository maintenance.
* Managing CI builds and deployments to Dev, QA and Production.
* Responsible for branching, merging, creating new subversion repositories, branches and tags.
* Automated .Net and Java deployments using AnthillPro to various environments using shell scripting.
* Support development teams with build and deployment failure issues.
* Maintained Dev/QA application environments to ensure all business rules, and compliance issues are well-managed and documented prior to pushing to production.
* Installed and configured maven on build machines and AnthillPro agents.
* Supported Architecture team in Migrating projects that were using Ant to Maven.
* Involved in designing and maintaining deployment scripts.
* Automated smoke test in QA using AnthillPro.
* Responsible for standardization of maven goals in the build process.
* Installed and maintained Artifactory to maintain internal and external dependencies.
* Created backlog stories for Configuration Management charters.
* Played the role of a Scrum master in grooming and adding tasks to the stories for each sprint.