**Ashwin Gatla**

**Devops Engineer**

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**Location: Hyderabad**

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**Professional Summary:**

Experienced professional with 11+ years in Configuration Management, Build and Release, and Troubleshooting. Proven expertise in ADE, Git, Ant, Jenkins, WebLogic, Shell Scripting, AWS, alongside certifications in Kubernetes, OCI, and Azure. Adept at optimizing software processes, managing complex environments, and driving seamless development operations. Strong problem-solving skills and collaborative mindset for delivering impactful results in dynamic settings.

* Proficient in managing EC2 instances, configuring auto-scaling groups, and optimizing instances for cost and performance.
* Utilized Amazon S3 for scalable and durable object storage, implementing lifecycle policies to manage data storage costs.
* Set up and configured Amazon RDS databases for various applications, including automated backups and high availability configurations.
* Designed and implemented VPCs (Virtual Private Clouds) to isolate and secure applications, utilizing security groups and Network ACLs for access control.
* Configured AWS Identity and Access Management (IAM) roles and policies to manage user access and permissions effectively.
* Set up monitoring and alerting using Amazon CloudWatch, creating custom dashboards to visualize resource utilization and application performance.
* Orchestrated containerized applications using Amazon ECS and Kubernetes on Amazon EKS, optimizing resource allocation and scaling strategies.
* Utilized Amazon ECR for secure container image storage and distribution.
* Experience in writing Docker files with best practices along with Docker container management along with volumes, container-based DB and services.
* Experience in Creating and writing Shell scripts (Bash), Python and Power Shell for automating tasks.
* Experience in Installation, Configuration and Administration of RedHat Enterprise Linux, CentOS.
* Experienced in documenting technical information for support knowledge base.
* Enabled SSL (Secure Socket Layer) with for Webserver, Plugins and Application Server.
* Extensively worked on Jenkins for continuous integration and for End-to-End automation for all Build and deployments.
* Maintained over 500 jobs in Jenkins from 10 different Application teams for over 4-5 releases in parallel. In the process of achieving Continuous Integration.
* Experience in environment management and troubleshooting application integration issues in Order management
* Collaborative team player and possess excellent communication skills, which enable me to work effectively with cross-functional teams, including developers, testers, and system administrators
* Passionate about staying up-to-date with the latest industry trends and emerging technologies, and always eager to explore and implement new solutions to enhance system performance and security

**Certifications:**

* Certified in Microsoft: Azure Fundamentals, Aug 2023 - [Azure Credential](https://learn.microsoft.com/en-us/users/ashwingatla-1583/credentials/f4bb2d47d5c7200f)
* Certified in Oracle Cloud Infrastructure Foundations Associate, July 2023 - [OCI Credential](https://catalog-education.oracle.com/pls/certview/sharebadge?id=ED89E6CD4402D7D6B9D7FC1A28490B92BE1C889959F8C5542182F0A193A6518A)
* Certified in Kubernetes and Cloud Native Associate, July, 2023 - [KCNA Credential](https://www.credly.com/badges/eef4eb03-252f-41af-930c-f1a4d7d5628c)

**Accomplishments:**

* Received Assimilator award in Oracle for outstanding work in automating environments.
* Received Reach the stars award at Capgemini.
* Received Spot Excellence award at Polaris.

**Technical Skills:**

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| **Cloud Platform** | **AWS, Oracle Cloud Infrastructure** |
| **Scripting** | **Bash/Shell, Python.** |
| **Database** | **Oracle, MySQL** |
| **Build Tools** | **ANT, Hudson, Jenkins** |
| **Container Tools** | **Docker** |
| **Version Control Tools:** | **Subversion (SVN), GIT, GIT Hub, PVCS** |
| **Web Servers:** | **Apache, Tomcat, WebLogic** |
| **Languages/Scripts** | **Shell, Bash, Python** |
| **Monitoring tools** | **Prometheus, Cloud Watch** |
| **Operating systems** | **Windows, Ubuntu, RHEL, Oracle Linux** |

**Professional Experience:**

**Oracle – Hyderabad, India (June 2016 – Feb 2023)**

**Role: Senior DevOps Engineer / Devops Lead**

**Roles & Responsibilities:**

* Installing docker and setup automated Jenkins jobs for builds and deployments in Development and QA environments
* Responsible for design and maintenance of the GIT and ADE Repositories
* Followed Blue – Green Deployment in QA environments
* Collaborating with dev and QA team for their Infra and build issues, troubleshooting and fixing.
* Installed and configured GIT and communicating with the repositories in GitLab.
* Used the version control system GIT to access the repositories and used in coordinating with CI tools.
* Integrated maven with GIT to manage and deploy project related tags.
* Configured and maintained Jenkins to implement the CI process and integrated the tool with ANT and to schedule the builds.
* Configured Jenkins with docker, web logic, Access control plugins and created multi-layer jobs.
* Created Docker file for multiple applications and generated docker images.
* Automated Deployment process to web-logic servers using shell scripts, thereby providing the scrum teams to manage their own code deployments on docker environments
* Executed database scripts within QA environments to implement updates, modifications, or enhancements, ensuring the integrity and functionality of the databases in the testing phase.
* Configured S3 buckets with various life cycle policies to archive the infrequently accessed data to storage classes based on requirement.
* Possess good knowledge in creating and launching EC2 instances using Ubuntu, RHEL and wrote shell scripts to bootstrap instances.
* Designed and implemented VPCs (Virtual Private Clouds) to isolate and secure applications, utilizing security groups and Network ACLs for access control
* Used IAM for creating roles, users, groups and implemented MFA to provide additional security to AWS account and its resources.
* Created and configured elastic load balancers and auto scaling groups to distribute the traffic and to have a cost efficient, fault tolerant and highly available environment.
* Created S3 buckets in the AWS environment to store files, sometimes which are required to serve static content for a web application.
* Conducted comprehensive training sessions for various teams, covering ADE, Git, Jenkins, Docker, AWS, and OCI thereby facilitating enhanced understanding and proficiency in these technologies.
* Meticulously documented the troubleshooting processes and resolutions for various issues, ensuring a comprehensive knowledge base for future reference.

**Environment**: **AWS, OCI, Docker, Git, GIT hub, Confluence, Jenkins, ANT, Python, Shell script, Bash, SQLDB, RHEL**

**Capgemini – Hyderabad, India (June 2014 – June 2016)**

**Role: Cloud & DevOps Engineer**

**Roles & Responsibilities:**

* Automated provisioning of infrastructure for our environments building AWS resources VPC, EC2, S3, IAM, EBS, Route53, Security Group, Auto Scaling.
* Used security groups, network ACLs, Internet Gateways, NAT instances and Route tables to ensure a secure zone for organizations in AWS public cloud.
* Worked on Creating EC2 instances in VPC and installed applications. Worked on Identity Access Management and Created users, groups and assigned roles based on their duties.
* Worked on Docker to containerize the Application and all its dependencies by writing Docker file, Docker-Compose files, Docker container snapshots, managing Docker volumes
* As a part of DevOps team we collect, process and analyzed diagnostics and usage data from Confidential device across the world
* Implemented and building tools such as ANT in order to automate and enhance the overall operational environment. Developed build and deployment scripts using ANT as build tool in Jenkins to move from one environment to other environments.
* Responsible for Continuous Integration (CI) and Continuous Delivery (CD) process implementation-using Jenkins along with Python and Shell scripts to automate routine jobs.
* Responsible for installing Jenkins master and slave nodes and configure Jenkins builds for continuous integration and delivery. Set up and configure the Jenkins for application deployment.
* Installed and configured GIT and GITHUB. Implemented and maintained the branching and build/release strategies utilizing GIT.
* Automated build and deployment process using Bash, Python, and Shell scripts with focus on DevOps tools, CI/CD in Jenkins.
* Written shell scripts with Bash, Python to automate tasks like provisioning servers, installing, configuring packages and deploying applications on multiple servers in the non-prod environments.

**Environment: AWS, Git, ANT, Jenkins, Linux, Docker, python, EC2, S3, RDS, EBS, IAM, ELB, Bash, Unix/Linux, Oracle DB**

**Virtusa Consulting Pvt. Ltd, - Hyderabad, India (April 2011 – June 2014)**

**Role: Build and Release Engineer**

**Roles & Responsibilities:**

* Developed and supported the Software Release Management and procedures. Performed all necessary day-to-day Subversion/PCVS support for different projects. Responsible for design and maintenance of the Subversion/PCVS Repositories, views, and the access control strategies.
* Used Jenkins innovatively to automate most of the build related tasks. Improved throughput and efficiency of build system by providing EO/managers rights to trigger required build.
* Configured and maintained Jenkins to implement the CI process and integrated the tool with Ant to schedule the builds. Created the branches in Subversion and PVCS to implement the parallel development process.
* Performed Web Logic Server administration tasks such as installation, configuration, monitoring and performance tuning.
* Worked with the Architects on SDLC process being the owner of post development environments.
* Automated deployment of Linux applications, system configuration and security settings using Shell Scripts
* Carried Deployments and builds on various environments using continuous integration tool. Developed and implemented the software release management for the release of web applications.
* Worked closely with development team and QA team for product releases. Implemented Configuration Management, Change Management policies and procedures. Documented project's software release management procedures with input decisions.
* Developed, maintained, and distributed release notes for each scheduled release.
* Performed various troubleshooting and maintenance operations in Linux Server environments. Deployed the applications to Web logic and static content to Apache web servers.

**Environment: ANT, Jenkins, PVCS, Subversion, RHEL, Web Logic, Oracle DB, Shell scripts.**

**Education:**

* Bachelor of Technology (2011) from Jawaharlal Nehru Tech University, Hyderabad.