

**Aravind Kundurthi**

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**Objective: Achieving greater success in my career through hard work, consistency and the ability to work with others to achieve organizational goals, aims and objectives.**

**Summary:**

Having 3 years of experience in Cloud Solutions & CI/CD Pipelines. Presently, working as a DevOps Engineer at Cognitio Technologies .

**Organizational Contour:**

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**Cognitio Technologies**  
**DevOps Engineer**

**Bangalore, India**  
**07/2019 - Present**

**Tools Used** - GIT, SVN, Jenkins, Maven, SonarQube Code Analysis, Nexus Artifactory Uploader, Ansible, Docker and Kubernetes Containerization.

**Roles and Responsibilities:**

- Creating fully automated CI, build and Deployment infrastructure.
- Installation / Configuring and maintaining Jenkins and Plugins installation(mostly on weekends) .
- Integrated Ansible (Configuration Management Tool) to deploy over multiple servers. Created inventory Groups and Playbooks using Yaml Scripts, used Ansible-Vault to encrypt sensitive data.
- Backup for all environments and logs check.
- Mostly focusing on the Security realm and working on developing implementation.
- Deploying the war files & properties files given by developers to JBoss or Tomcat servers and restarting the servers.
- Troubleshoot issues within environments involving Team Lead when needed.
- Ability to write Pipeline Scripts and automated solutions using scripts.
- Well-Experienced with Master Slave Theory, we trigger jobs on master and run them on slaves.
- Worked with SSL/TLS and SMTP ports, knowledge on SSL/TLS handshake.
- Manage Credentials, using Jenkins Global credentials when required and created users within Jenkins.
- Testing the configuration by sending test email by using SMTP server domain and proper authentication.
- Involved in installation and configuration of Apache Tomcat as a Web Server.
- Daily Activities including, delivering daily and nightly builds for automation of SCM requests, maintaining code stability using CI methods and troubleshooting day-to-day issues.
- Scheduled Pipelines at a Particular time as per requirements using CronJobs.
- Working closely with project manager Dev, Testing and Production team to align project deliverables, report issues/concerns.
- Provided 24/7 basis on call support for production.

**Hands-on AWS Cloud** services like EC2, S3 Buckets, EBS Volumes, Snapshots, SNS, SQS, Cloud Formation, CloudWatch, CloudTrail, VPC, IAM, Elastic File Systems.

**Roles and Responsibilities:**

- Launched Amazon EC2 Instances using Amazon Web Services (Linux/Ubuntu/RHEL) and configuring launched instances with respect to specific applications.
- Installing applications on AWS EC2 instances and also configuring the storage on S3 buckets.
- S3 buckets creation, Bucket policies and also on the IAM role-based policies and customizing the JSON template.
- Created customized ami from instances when required.
- Launched instances inside VPC inside particular subnets as per requirements.
- Created Security groups, rules and restricted access and dealing with ports.
- Created EBS volumes and attaching to instances and creating partitions and drives.
- Associating Elastic IP's to the instances to enable a stable IP if anything in production goes wrong.
- Created snapshots for volumes for audits and for cost optimization to reduce cost as well as storage copy.
- Created cloud watch alarms along with SNS notifications.
- Created a cron job to enable memory utilization monitoring of servers in cloud watch and Events to automate the Snapshot creation whenever Volumes deleted within Rules.
- Used S3 Glacier Service for low-cost management for data-archiving and long-term backup by attaching the lifecycle rules
- Switch Roles as per the work assigned using IAM roles ,if any access issues consulted the administration team.

**Technical Skills:**

<b>Cloud Platforms</b>	: Amazon Web Services, Microsoft Azure, GCP
<b>Operating Systems</b>	: Linux, Ubuntu, Windows
<b>Scripting Language</b>	: Shell Scripting, YAML
<b>CI/CD Tools</b>	: GIT, SVN, Jenkins, Maven , Ansible
<b>Containerization Tools</b>	: Docker, Kubernetes
<b>Ticketing Tool</b>	: Service Now
<b>Programming Skills</b>	: Python, My SQL

**Certification:**

- AWS SOLUTIONS ARCHITECT(ASSOCIATE) - <http://aws.amazon.com/verification>
- VALIDATION NUMBER - QGX9VDNB1FEE16K1

**Education Qualifications:**

- Btech in Dhanekula Institute of Engineering and Technology (JNTUK)
- Intermediate from Board of Intermediate
- SSC from the Board of Secondary Education