**User Management:**

1. AWS Config
2. IAM
3. AWS Organization Unit
4. AWS FSO
5. Control Tower

**Continuous Deployment:**

1. Docker – Containerization of micro services
2. Docker Swarm – Orchestration of docker containers
3. Kubernetes - Orchestration of containers
4. Terraform
5. CloudFormation
6. Ansible
7. Lambda
8. Elastic Beanstalk

**Continuous Integration:**

1. Git/CodeCommit
2. Code Build & Code Deploy
3. Code Pipeline/ Jenkins
4. Maven/Ant
5. JIRA – Management software
6. Selenium
7. Datadog
8. Jfrog

**Network:**

1. Amazon EC2
2. Direct Connect / VPC
3. VPC & NAT
4. Load Balancer
5. Auto scaling
6. S3
7. Databases – DynamoDB, RDS, Aurora, Redshift
8. DNS Route 53

**Monitoring:**

1. Cloud watch
2. Cloud Trail
3. Event Bridge
4. Prometheus
5. Grafana
6. Kibana
7. Kinesis
8. SQS
9. SNS
10. Opswork

**Programming:**

1. Python
2. Shell Scripting
3. Yaml / JSON

**Companies Requirements:**

1. 12 Factor implementations
2. Understanding Agile ways of working are strongly desired / Agile methodology
3. Knowledge of Terraform and Jenkins or any other CI-CD tools (e.g. - Code Fresh) is mandatory
4. Experience using AWS CodeDeploy, AWS CodeCommit, AWS CodePipeline, OpsWorks, **Chef, Puppet,** CloudFormation, Jenkins, etc
5. Experience in Maven, Gradle, Grunt, Unix
6. Experience on IaC tools like Terraform, Cloud formation orARM templates
7. Must have setup E2E CI:CD pipeline using Jenkins, Ansible, CheckMarx, Sonar Cube, Nexus IQ
8. Must have setup continuous testing using tool like Selenium, Junit etc.
9. Good to have knowledge in Bit Bucket Pipelines
10. Good to have knowledge on Data Dog Monitoring Tool setup and Ops Genie , Alien Vault and Cloudflare DNS Tool
11. Good working knowledge on DevOps tools like Jenkins, Jira, Ansible, Terraform, CFT etc
12. Possess knowledge of Infrastructure (process, tools, networking, arch/designing, Virtual Machines, Databases, Elastic, SaaS services, Cloud platform, Terraform)
13. Should have hands-on experience in building the pipeline in Jenkins/ Azure DevOps pipeline/ Spinnaker
14. Automation and orchestration tools knowledge such as ARM, Chef, Puppet, Terraform, Ansible, etc, as well as scripting skills such as PowerShell, JSON, YAML
15. Experience with tools used in DevOps like BitBucket, Jenkins ui and scripting, Nexus / Artifactory, SonarQube , Unit testing tools, Testing automation tools, Security scan of code, Chef / Puppet
16. Knowledge of application servers setup and configuration. Like PM2, Supervisor, Tomcat, WebSphere, ISS
17. Strong knowledge of DevOps and CICD pipeline (GitHub, Jenkins, Artifactory)
18. Experience with core AWS platform architecture, including areas such as: Organizations, Account Design, VPC, Subnet, segmentation strategies.