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**Professional Summary**

* **6+** years of experience as **DevOps, Cloud, Build & Release, Automation, and Systems engineer**. Self-motivated, proactive, dedicated, reliable person with excellent interpersonal, leadership & communication skills with a good appetite for learning.
* Extensive experience in cloud (**AWS, Azure, GCP, & others**), configuration management tools (**Puppet, Chef, Ansible**), continuous integration tools (**Jenkins**), version control (**Git, SVN**), container and orchestration tools (**Docker, Kubernetes**), Monitoring tool (**Nagios**), and testing tool (**Selenium**).
* Hands on experience in **Azure cloud services, Azure storage, Azure active directory, Azure Service Bus**. Created and managed Azure AD tenants and configure application integration with Azure AD.
* Developed an **Azure-based high-performance** compute environment to support the massive computational requirements of client congressional redistricting Azure application.
* Experience on Deployment Automation & Containerization **(Docker, Kubernetes)**. Creating Ansible Playbooks, to Deploy VM and install the Components as per requirements.
* To achieve Continuous Delivery goal on high scalable environment, used Docker coupled with load-balancing tool Nginx.
* Experience with a configuration management system such as Chef and Ansible
* Knowledge on Puppet, which includes installation and configuration of the Puppet master, agent nodes, and admin control workstation
* Involved in designing and implementation of the AWS stack namely **EC2, VPC, DynamoDB, Cloud watch, S3, SQS, SNS, IAM, Cloud formation, Amazon aurora, RDS, Elastic search, EBS, Amazon CloudFront, Amazon Glacier, Elastic Load balancer, Elastic Beanstalk, Amazon Redshift, AMI, Cloud trail, Lambda**
* Expertise in **SDLC, Agile, ITIL, and Waterfall** methodologies and a good understanding of concepts of Project Management principles, and used JIRA for Agile task management, issue, and bug tracking.
* Extensive experience in using **MAVEN** and **ANT** as build tools for building of deployable artifacts (jar, war &amp; ear) from source code.
* Worked on AWS provisioning **EC2 Infrastructure and deploying** applications in **Elastic load balancing.**
* Extensive knowledge in all areas of **software configuration management processes,** including **version, build and issue management, as well as build and release management**.
* Experience in branching, tagging, and maintaining the version across the environments using source control tools like **Subversion (SVN), CVS and GIT on Linux/Unix** and **Windows** environment on standalone and **VM's**.
* Experience with **Container-based deployments by using Docker.** Collaborated with development support teams to set up a continuous delivery environment with the use of Docker.
* I have worked in the design, implementation, and support of **automated containerized infrastructure** using **Kubernetes.**
* Used **Ansible** to create **reusable server configurations and build environments**. Developed **Ansible Playbooks** to provision **Apache Web servers, Tomcat servers,** and other applications.
* Hands-on experience in **Installing, Configuring** of **Puppet server-clients,** and wrote **Puppet Manifests to automate infrastructure.**
* Experience in managing **Chef** as a **configuration management tool** by developing **Chef Cook Books and Recipes.**
* Ability in the development and execution of **Shell scripts, XML and Python** Scripts to automate the administrative tasks.
* Expertise in configuring Log monitoring tools like **ELK (Elasticsearch, LogStash &amp, Kibana), Nagios, Splunk, Filebeat, and Grafana** to monitor logs of applications in prod and non-prod.
* Worked with code quality tools like **SonarQube** to find if there are issues in the code by setting Quality Gates, Quality Profiles, and Quality Rules.
* Deployed and managed many servers utilizing both traditional and cloud-oriented providers like **VMware** and **Amazon EC2**.
* Setting up **Kubernetes** Cluster and creating Pods and handling Pod communication issues Using **Kubernetes** to orchestrate the deployment, scaling and management of Docker Containers.
* Working with Kubernetes services and storage.
* Building/Maintaining Docker container clusters managed by **Kubernetes Linux, Bash, GIT, Docker, on Azure. Utilized Kubernetes** and Docker for the runtime environment of the CI / CD system to build, test deploy.
* Lead the team to creating the world's most powerful Antivirus software integrated within browsers.
* Maintain the company's current software and applications.
* **Develop C# codes for windows applications through web services**. The codes were developed using Visual Studio 2016
* Teach others the way to code in a correct format.
* Create embedded applications matching clients requirement
* Data storage and server clustering
* **Work on projects optimizing Visual C++ codes** for financial software using Microsoft Visual Studio 2017.
* Work on SQL, ODBC and XML codes in Visual Basic 5.
* **Integrate .net solutions on C# projects, including debugging in C++**

**Skills**

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| **Public & Private Cloud Technologies:** Microsoft Azure, Amazon Web Services (AWS), Google Cloud Platform (GCP), OpenStack, Pivotal Cloud Foundry (PCF).  **Containerization Tools:** Docker, Docker Swarm, Kubernetes, AWS ECS, Apache Mesos, OpenShift  **Configuration Management:** Chef, Ansible, Puppet, Salt Stack, Terraform  **CI/CD Tools:** Jenkins, Bamboo, GitLab CI, Travis CI, Hudson, VSTS, TFS.  **Build & Testing Tools:** Maven, Ant, Gradle, Selenium, JUnit, NUnit, xUnit  **Version Control Tools:** Git, Subversion, GitHub, Bitbucket.  **Performing/Monitoring & Bug Tracking Tools:** ELK, Nagios, CloudWatch, Azure Monitor, New Relic, Splunk, Grafana, Prometheus, Confluence, Jira.VMware ESXI, Vagrant, KVM, Windows Hyper V, Power VM, vSphere 5Citrix | **Web Servers:** Apache Tomcat, Nginx, WebSphere, WebLogic, JBoss, Samba, SQL Server.  **Databases:** Dynamo DB, MySQL, RDBMS, NoSQL, Cassandra, PostgreSQL, Mongo DB, Oracle DB  **IDE Tools:** MS Visual Studio, NetBeans, Eclipse, IntelliJ IDEA, PyCharm, Oracle SQL Developer  **Web Technologies:** HTML5, CSS3, Bootstrap, JSON, jQuery, JavaScript, PHP, XML, XSD, Drupal, WordPress  **Networking/Protocols:** DNS, DHCP, FTP/TFTP, NFS, SMTP, TCP/IP, NIS, HTTP/HTTPS, WAN, LAN, Palo Alto, Cisco Routers/Switches  **Scripting/Programming Languages:** Python, Shell Scripting, Bash Shell, Korn Shell, Ruby, Groovy, PowerShell, YAML, Perl, C, C++, .NET, ASP.NET, Java, Java/J2EE, Go.  **Operating Systems:** RHEL, CentOS, Ubuntu, Fedora, Debian, Solaris, Windows, MacOS |

**Work History**

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| March/2018 to Current | Cloud Engineer  IBM – (CHENNAI)   * Worked in highly collaborative operations team to stream line the process of implementing security Confidential **Azure cloud environment** and introduced best practices for remediation * Gathering the requirements from the clients about the existing applications to apply the security measures * Understand the latest features like (**Azure DevOps, OMS, NSG Rules, etc..,)** introduced by Microsoft Azure and utilized it for existing business applications * Creating, validating and reviewing solutions and effort estimate of converting existing workloads from classic to **ARM** based **Azure Cloud** Environment * Developed automation system using **PowerShell scripts and JSON templates** to remediate the **Azure services** * Worked on GIT to maintain source code in Git and GitHub repositories * Created builds and release pipelines in VSTS and done deployments using SPN (secure endpoint connection) for implementing **CI/CD**. * Implemented automation for deployments by using **YAML scripts** for massive builds and releases * Created **LTA** (Logical Technical Architecture) diagrams using Microsoft Visio * Used tools like Visual Studio Community Edition, Visual Studio Code, Power Shell ISE and SQL Server Management Studio. * Worked with Agile methodology in XL Deploy and XL Release, **CI/CD automation** from scratch, Docker, Openshift) * Built and Implemented complete CI stack to migrate from a Puppet stack in a Colo to Terraform with Chef in AWS. * Wrote **shell scripts** to handle server processing migrating applications from .Net to Python monitoring applications and server performance with Splunk and Jenkins. * Worked on Jenkins to implement Continuous Integration and deployment into Tomcat /Web Logic Application Server * Developed applications and methods with Python for ETL, writing and reviewing code for server-side Python applications. * Had done POC on implementation of continuous deployment pipeline with Jenkins and Jenkins workflow on Kubernetes * Assist with configuration of Cloud Compute systems using **OpenStack on Ubuntu**, collaboration using Orchestration with Keystone, Kubernetes and other functions within Open Stack. * Responsible for Configuring Kafka Consumer and Producer metrics to visualize the Kafka System performance and monitoring * Worked for 5 scrum teams (Java, AEM, Jenkins, Ant, Maven, SVN, git, Agile methodology, cucumber scripts, sonar, XL Deploy and XL Release, SharePoint, CI/CD automation from scratch, Docker) * Conducted Dry-Run Tests to ensure fool-proof execution of customized scripts before execution in production environments. * Experienced in building, deploying and integrating Java-based web applications in a UNIX, including exposure to J2EE/.NET architecture (especially BEA Web Logic, Tomcat and WebSphere). * Over saw the quality of Automated Build plans to help the Delivery process to NON-PROD and PROD Environments * Worked on implementing backup methodologies by Power Shell Scripts for Azure Services like Azure SQL Database, Key Vault, Storage blobs, App Services etc. * Created Azure services using **ARM templates (JSON**) and ensured no changes in the present infrastructure while doing incremental deployment. * Acted as build and release engineer, deployed the services by VSTS (**Azure DevOps**) pipeline. Created and Maintained pipelines to manage the IAC for all the applications * Assigned **RBAC policies** Confidential group level and user level as per the LTA created for the services implemented new (Automation account, scheduler, notification hub, IOT Hubs, Batch and other services) |

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| 06/2016 to Feb/2018 | Cloud/DevOps Engineer  Mphasis– Chennai   * Deployed **Azure IaaS virtual machines (VMs)** and **Cloud services (PaaS role instances)** into **secure VNets and subnets**. * Experienced in various **Azure services** such as **Azure container service, container registry, batch, traffic manager, express route and load balancer**. * **Monitored** various activities using **Azure OMS**. Handled support tickets till closure for the **Azure PaaS platform.** * **Utilized native Azure services** to meet the organization's technology and resiliency requirements. Create a strategy for establishing a secure and well-managed enterprise environment in **Azure**. * Experienced in maintaining **Maven** projects and **troubleshooting build issues** and **packing applications**. * Involved in **periodic archiving** and **storage** of the **source code** for the **disaster recovery** * **Administered** all **Subversion/Git** activities. * Created **branches, tags** for each release, and required environments. * **Merged branches** after the **code freeze** for **all releases**. * **Performed baselining** of the **code** after **major releases** and the **merged previous release code** to **main branches** to **allow for further development** from this **baseline**. * **Created branches** and **modified** the **configuration** for **applying labels** to allow the **development teams** to view **all modified files** on the branch. * **Developed scripts** to **automate the deployment** of r**esource stacks** and **associated configurations.** * Worked in Azure infrastructure management (**Azure Web Roles, Worker Roles, SQL Azure, Azure Storage, Azure AD Licenses, Office365**). * Worked in Private Cloud and Hybrid cloud configurations, patterns, and practices in Windows **Azure and SQL Azure** and in **Azure web and database** deployments. * Build and automate infrastructure deployments in Azure for creation of subscription, Storage Account and tables using **Windows PowerShell**. |

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| May/2015 to 06/2016 | Build and Release Engineer  Mphasis-Chennai   * Created **S3 buckets** and implemented **Glacier** for storage and backup. * Configured and launched **AWS EC2** instances on multiple OS. * Responsible for moving data between **AWS compute** and **storage service**s using a **data pipeline**. * Implemented **Docker** for **virtualization of real-time environments**, to **deploy** and **run applications securely to fasten release processes**. **Saving** almost **27%** of the sprint time. * Created **build pipelines** and **deployment strategies** using **Jenkins** for migration applications. * Developed **automation** using **Ansible** for repetitive tasks, quick deployments, and proactive **configuration management.** Reduced over resource requirement by **19%.** * Created **job chains** with **the job builder**, **parameterized triggers,** and **streamlined multiple CI/CD processes** utilizing **Jenkins plugins** and **API's**. * Deployed multiple **JAVA/J2EE** applications through **Tomcat** application servers. * Implemented a **Git** mirror for **SVN repository**, which enables clients to utilize both **Git** and **SVN**. |
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