



Vignesh

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An experienced DevOps professional having **9 years** of experience in Agile and **DevOps** implementation in projects. Has designed CI and CD frameworks for Java and DotNet based applications using different build tools.

CAREER SUMMARY

- Expertise in the field of **DevOps** using various automation tools to oversee the end-to-end SDLC process.
- Experienced with various Services of **AWS**: EC2, ELB, S3, SNS, SQS, RDS, VPC, Elastic IP, Route 53, Glacier, IAM, Cloud Formation and Cloud Watch.
- Hands-On experience to Implement, Build and Deploy **CI/CD** pipelines using groovy scripting.
- Experience **migrating infrastructure** and application from **on premise to AWS**.
- Experienced with **Jenkins** as **Continuous Integration / Continuous Deployment** Tool and strong experience with Ant and Maven as Build Frameworks.
- Have Worked on **Atlassian** tools like **Jira, Bitbucket, FishEye and Crucible**.
- Experienced in creating playbooks and roles for **Ansible** and deploying applications to AWS cloud using **Ansible**.
- Using **Terraform** as IAC rolled out complete infrastructure on AWS.
- Administration experience in **GitHub** and SVN configuration tools.
- Experienced writing python, yaml, and shell scripts to automate the deployment and scheduling.
- Experienced with **Nagios, CloudWatch, ELK, Grafana** as IT Infrastructure Monitoring tool.
- Experienced with **Web/Enterprise Application Deployment** Technology specifically including **Apache Tomcat, WebLogic, Java** and **MySQL**.
- Experience in installing **Docker** using **Docker** tool box. Environment provisioning solutions using **Docker**. Container orchestration using **Kubernetes**.
- Experienced in database technology such SQL, MySQL and Oracle servers.
- Experienced in Administration of Production, Development and Test environments carrying different operating system platforms like Windows, Ubuntu, Red Hat Linux, Centos.
- Good understanding of the principles and best practices of Software Configuration Management (SCM) in **Agile, scrum**, and Waterfall methodologies.
- Team player with good Communication and Interpersonal Skills.
- Participated, documented, managed ITIL controls and supported Linux environment.
- Experience supporting 24x7 production computing environments. Experience providing on-call and weekend support.

PROFESSIONAL EXPERIENCE

Organization	Designation	Duration
Dexra Solutions Ltd (UK)	DevOps Consultant	Sep 2019 till now
HCL Technologies Ltd.	DevOps Consultant	June 2018 to Aug 2019
Cognizant Technology Solutions	DevOps Engineer	Jan 2015 to June 2018
CGI	Build & Release Engineer	Aug 2010 to Jan 2015

ACADEMIC QUALIFICATIONS

Bachelor of Engineering (Honours Degree) in Electronics and Communication – Anna University.

CERTIFICATIONS

- RedHat Certified Specialist in **ANSIBLE** Automation.
- **AWS** Certified Solution Architect - Associate

TECHNICAL SKILLS

Cloud Environment	Amazon web services EC2, S3, Elastic load balancer, Cloud watch, Route 53, AMI's, IAM, Chef, Puppet, Jenkins, Nagios, GIT hub, Docker, Kubernetes, ELK
Containerisation	Docker, Kubernetes
Automation/Build Tools	Jenkins, Jfrog Artifactory, Nexus, SonarQube, Fisheye, Crucible, Maven, MS Build, BitBucket, GitHub, SVN
Monitoring tools	Nagios, ELK, Grafana, AppDynamics
Operating Systems	RedHat Linux, Cent OS, Ubuntu, AIX, Windows servers
Programming Languages	Shell scripting, Python, Groovy Scripting, YAML
Application Servers	Weblogic 8.x/9.x/10.x, 11G, 12C, Apache Tomcat, Websphere
Web servers	Apache Server, IIS Web server, Nginx
Databases	Oracle, MySql, MS-SQL, PostgreSQL
Configuration Management Tools	Ansible, Chef, Terraform
Network Protocols	TCP/IP, UDP, DHCP, HTTP, HTTPS, VPN, DNS, NTP, WINS, FTP, SSH, WinSCP and Telnet
Documentation Apps	MS Office 2010/ 2007/2003

WORK EXPERIENCE

Employer: HCL Technologies Ltd
Role: DevOps Consultant

Client: State Street Global Advisors (US Banking)
Duration: June 2018 to Aug 2019

Responsibilities:

- Involved in designing and deploying large applications utilizing almost all important AWS resources with high availability, fault tolerance and auto scaling in AWS using **Terraform**.
- Managed the **AWS VPC** network for the Launched Instances and configured the Security Groups and Elastic IP's accordingly.
- Designed **AWS** templates using **JSON** to create customized **VPC** Subnets, **NAT** to ensure successful deployment of Web applications and databases and created cross-account **IAM** roles to give access to users.
- Integrated **Jenkins CI/CD** with **GIT** version control and implemented continuous build based on check-in for applications and created GitHub Webhooks to setup triggers for commit, push, merge and pull request events to drive all builds to Docker registry and then deployed to Kubernetes also created pods using **Kubernetes**.
- Created **S3 AWS** Bucket-Policies for restricted user access and Monitored Live Traffic, logs, Memory utilization, Disk utilization and various other factors which are vital for deployment and configuring the storage on S3 Buckets.
- Created **master** and **slave** configurations to implement multiple parallel builds by installing **Jenkins**. Monitored software, hardware, and/or middleware updates and utilizing plugins like **Ant, Maven, GIT**, and custom plugins.
- Proficient in creating **Docker** containers using **Docker** Files and building **Docker** images and pushed those **Docker** images to Docker Hub and expertise in creating Docker container snapshots, removing images and managing Docker Volumes.
- Involved in writing various custom **Ansible playbooks** for deployment **orchestration** and developed **Ansible Playbooks** to simplify and automate tasks. Protected **encrypted** data needed for tasks with **Ansible Vault**.
- Configured **Ansible** to manage **AWS** environments and automate the build process for core **AMIs** used by all application deployments including **Auto Scaling** and **Terraform** scripts.
- Built **Jenkins pipelines** to drive all builds automatically using **Multi-Branch Pipeline** which integrates **BitBucket, Fisheye Crucible, SonarQube** and **Jfrog Artifactory**.
- Utilized **CI/CD** system to **build, test, and deploy**. Created **Jenkins jobs** to deploy applications to various environments.

Employer: Cognizant Technology Solutions
Role: DevOps Engineer

Client: KOHLS (US Retail)
Duration: Jan 2015 to June 2018

Responsibilities:

- Create and maintain fully automated **CI/CD pipelines** for code deployment using **GIT-Jenkins-Maven-Sonar-Artifactory**.
- Developed custom workflows in Jira with auto-transition to stages.
- Integration of Jira with CI Toolchain and tools like Jenkins, Fisheye and Crucible for auto update of issues created in Jira.
- Creating Jira dashboards to create specific reports.
- Installing, configuring and maintaining **Continuous Integration, Automation** and **Configuration Management** tools
- Implementing **monitoring** and reporting solutions across a range of environments and platforms using **Nagios**.
- Collect the new technologies and tools, and introduced them to the company in which way it helped the company handle works at reduced cost.

- Coordinate with different teams to resolve their errors in software build.
- Creating and configuring build and deployment jobs in Jenkins.
- Own all storage and application server probes, some network probes.
- Fixing Internal and customer reported defects.
- Fixing vulnerability issues in the product.

Employer: CGI

Role: Release and Build Engineer

Client: BT (UK Telecom)

Duration: Aug 2010 to Jan 2015

Responsibilities:

- Configuration Management and source code repository management using tools like GIT, Subversion (**SVN**). Migrated SVN repositories into **GIT** using Sub GIT.
- Setup automation tools such as Jenkins and Nexus across multiple projects of the waterfall and Agile models.
- Deployed **J2EE** applications to Application servers in an agile continuous integration environment and also automated the whole process. Build scripts using **ANT** and **Maven** build tools in Jenkins, **Sonar** to move from one environment to other environments.
- Installed **Jenkins/Plug-in** for GIT Repository, Setup SCM Polling for Immediate Build with Maven and Maven Repository (**Nexus Artifactory**) and Deployed Apps using custom ruby modules through **Chef** as a CI/CD Process.
- Developed installer scripts using Maven, **Python** for various products to be hosted on Application Servers.
- Used ANT and Python scripts to automate the Build and deployment process to deploying the web services.
- Used services deploy command for building the web services. Used Maven for few modules.
- Written Chef **Cookbooks** and recipes in **Ruby** to Provision several pre-prod environments consisting of Cassandra DB installations, **WebLogic** domain creations and several proprietary **middleware** installations.

DATE:

PLACE:

VIGNESH