

Objective:

To obtain a challenging position in the field of Computer Science.

EDUCATION:

UNIVERSITY OF MARYLAND EASTERSHORE, PRINCESS ANNE, MARYLAND, USA **DEC 2016**

BACHELOR OF ENGINEERING IN BIO-INFORMATICS, BHARAT UNIVERSITY, CHENNAI, INDIA **AUG 2011**

TECHNICAL SKILLS

Operating Systems	Windows, Mac OS, Ubuntu, REDHAT, Linux, Unix, Core OS
Build Tool	Ant, Maven, Jenkins, Docker, MS Build
Scripts & Languages	Shell/Perl Script, C, C++, C#.Net, VB.Net,Python,Node.js, Java, J2EE, Ruby, SQL, PL/SQL, JQuery, Javascript, Groovy.
Version Control Tools	CVS, GIT, Tortoise SVN, Perforce and Clear case.
CI Tools	Jenkins, Hudson, Cruise control Anthill pro, Bamboo, Ansible, RunDeck, Chef and Puppet.
Cloud	AWS, AWS-CLI and Microsoft Azure
Databases	Oracle 11g/10g, MySQL, SQL Server, TSQL, Mongo DB, MS Access, DB2, PostgreSQL, RDBMS
Virtualization / Containers	Amazon AWS, Oracle Virtual Box, Docker, Openstack, VMware.
Applications & Configuration Management	Apache, RabbitMQ, Nagios, Informatica, Power Center, Business Objects and SonarQube.
Web/AppServers	Apache Tomcat, Oracle web logic, IBM web sphere and Demandware
Monitoring & Logging Tools	Nagios, Splunk, Loggly, Zabbix
Web Technologies	HTML, XML, SOAP, WSDL, UDDI, XSD, XSL, XPATH



Bug Tracker & Testing	JIRA, Redmine, Junit, Test Rail, Bugzilla, HP Quality Center
SDLC	Agile, Scrum, Waterfall

WORK EXPERIENCE

Client: BAMTech Media (Disney Plus), Manhattan, NY

Sep 2018 - TILL DATE

Role: AWS/groovy Engineer

Responsibilities:

Planning and Designing (10%)

- Planning and managing security permissions for our internal Development teams with a particular focus on AWS Security, and Technical Analysis Documentation,
- Technical Design Documentation
- Providing the suggestions/solutions with respect to the standards and best practices of AWS security Guidelines
- Designed viewson Cloud and Datacenter services, so familiarity with SSL Certificate management, VPC networking, Security Groups/Fire-walling and DNS
- Designing and improve internal Security-management tooling
- Designing and developing code/Repository management and branching strategies

Development (65%)

- Building Continuous Integration environment (Jenkins). And Continuous delivery environment , like configuring and integrating the servers with different environment and creating new machines using PUPPET.
- Created release branches in GITFLOW by GIT Administration including branching, reporting and assisting with project and end user support.
- AWSEC2/VPC/S3/SQS/SNS based infrastructure automation through Terraform, Ansible, Python bash Scripts.
- provisioning and AWS administrations like EC2, Elastic Load-balancers, Elastic Container Service (Docker Containers), S3, CloudFront, Elastic File system, RDS, DynamoDB, VPC, Route53, CloudWatch, CloudTrail,
- Creating scripts, for end-to-end build and deployment automation.
- Configuring and troubleshooting issues with automated tool Puppet that included the installation and configuration of the Puppet master, agent nodes and an admin control workstation. Related issues with puppet manifests for deployment and automation and integrating Puppet with Jenkins to fully deploy on to a Jenkins server to provide continuous deployment and testing to automate deployment of infrastructure.



- setting up ELK with Docker and Docker-Compose. Actively involved in deployments on Docker and artifactory.
- Creating AWS IAM Role based policies customizing the JSON templates.
- Launching AWS EC2 Cloud Instances using Amazon Web Services (Linux/ Ubuntu/RHEL) and Configuring launched instances with respect to specific applications. Creating Snapshots and Amazon Machine Images (AMI's) of EC2 Instance.
- creating Docker containers leveraging existing Linux Containers and AMI's in addition to creating Docker containers from scratch.
- Writing /automate files to run arbitrary Groovy scripts within the Jenkins master runtime or in the runtime on agents
- Setting up IP networking, VPN's, DNS, load balancing and firewalling.
- Working with external partners, and with Cloud and Datacenter services, SSL Certificate management, VPC networking, Security Groups/Fire-walling and DNS .
- Creating real-time monitoring and alerting of applications deployed in AWS using Cloud Watch, Nagios, ELK stack and Splunk.
- Creating and developing the reports with users having data issue transactions and create a mail alert to Supervisors to guide them.

Deploying (10%)

- Deploying the application artifacts on the Linux AMI's
- Elevating the code from non-production to production
- Configuring environment with global settings

Providing Support and Fixes (15%)

- Providing the assistance to end-users
- Implementing and supporting deployments to PROD and NON-PROD
- Monitoring the jobs during pre-production phase and also jobs running on PROD.
- Providing the fixes and solutions faced by end-users in PROD.
- managing security permissions for our internal Development teams with a particular focus on AWS Security.
- Supporting and troubleshooting issues on AWS services, such as EC2, ELB, ECS, ACM, CloudFormation, IAM, VPC, Direct Connect / Networking, Data Analytics (Redshift), Kinesis, Lambda and API Gateway.

Environment: AWS , Puppet, Jenkins, EC2, IAM, cloudtrail, systems manager , VPC, Route53, EBS, SQL, ELB, Cloud watch, Cloud Formation, Docker, Jira, AWS CLI, AWS Auto Scaling, Unix/Linux, Python, Ruby, Shell scripting, Git.

Client: ECONTENTI INC, EDISON, NJ

Mar 2017 – Aug 2018

Role: AWS/groovy Engineer

Responsibilities:

- Involved in designing and deploying multitude applications utilizing almost all of the AWS stack (Including EC2, Route53, S3, RDS, Dynamo DB, SNS, SQS, IAM) focusing on high-availability, fault tolerance, and auto-scaling in AWS CloudFormation.
- Creating AWS Lambda function's for alexa and google voice and integrating smartthings with voice services to control cloud connected and hub connected devices using alexa and google voice.
- Creating and monitoring dashboards on datadog for Realtime monitoring of analytics and matrices of AWS lambda functions including google and alexa voice for smartthings devices
- Developing, Implementing and debugging code in java, groovy for cloud connected and hub connected devices and also the user interface for specific applications in Smartthings.
- Analyzing smart things IDE and publishing device handlers with their respective smart apps for connectivity of hub and cloud connected devices to control them using smartthings
- Designing and Developing a testing framework for the Alexa Canary service for smartthings devices.
- Create and manage Docker deployment pipeline for custom application images in the cloud using Jenkins
- Dealing with various Git Hub and Git lab repository for pushing the code and resolving the merge conflicts.
- Configured AWS IAM and Security Group in Public and Private Subnets in VPC.
- Created AWS Route53 to route traffic between different regions.
- Involved in extending Active Directory Domain Services(AD) into cloud
- Designed AWS Cloud Formation templates to create custom sized VPC, subnets, NAT to ensure successful deployment of Web applications and database templates.
- Implemented automated local user provisioning instances created in AWS cloud.
- Setup and build AWS infrastructure various resources, VPC EC2, S3, IAM, EBS, Security Group, Auto Scaling, and RDS in Cloud Formation JSON templates.
- UsedKubernetes to deploy scale, load balance, scale and manage Docker containers with multiple namespaced versions.
- At CoreOS, we use the kube-aws CLI tool to automate cluster deployment to AWS
- Configuring and Networking of Virtual Private Cloud (VPC) Written CloudFormation templates and deployed AWS resources using it.
- Created local repository to connect Linux server to RHEL site for downloading packages and patches.
- Knowledge of Node.js and frameworks available for it
- Integration of user-facing elements developed by front-end developers with server side logic using Node.js.
- Automated deployment of builds to different environments using Jenkins
- Strong experience utilizing Jenkins for enterprise scale infrastructure configuration and application deployments – checking out code from svn/git and use ant/maven to build war/jar artifacts and creating pipelines
- Used MySQL, DynamoDB and Elasticache to perform basic database administration. Build out server automation with Continuous Integration - Continuous Deployment tools like Jenkins/Maven for deployment and build management system



- Wrote PowerShell scripts for automating time consuming specialty needs for external clients.
- Built Continuous Integration environment Jenkins and Continuous delivery environment.
- Defined branching, labeling, and merge strategies for all applications in Git.
- Utilized Configuration Management tool Chef& created Chef Cookbooks using recipes to automate system operations.
- Written Chef Cookbooks for various DB configurations to modularize and optimize end product configuration, converting production support scripts to Chef Recipes and AWS server provisioning using Chef Recipes
- Installed and configured configuration tool such as ChefServer / workstation and nodes via CLI tools to AWS nodes
- Moving Opsview/Nagios Alerting system to Sensu and handoff to NOC for managing alerts/incidents.
- Developed internal tool QuickDeploy for runbook automation, and automated release and deployment Management process using shell scripts, windows batch, and python with Rundeck and Jenkins.
- Analyze and correct order flow exceptions by implementing changes to our OMS, WMS/Agile, and customer checkout via a JIRA process.
- Manage AWS EC2 instances utilizing Auto Scaling, Elastic Load Balancing and Glacier for our QA and UAT environments as well as infrastructure servers for GIT and Chef.
- Used AWS Beanstalk for deploying and scaling web applications and services developed with Java, PHP, Node.js, Python, Ruby, and Docker on familiar servers such as Apache, and IIS
- Build servers using AWS, Importing volumes, launching EC2, RDS, creating security groups, auto-scaling, load balancers (ELBs) in the defined virtual private connection(VPC).
- Deployed applications on AWS by using Elastic Beanstalk.
- Configured plugins for the integration tools to the version control tools.
- Used ANT and MAVEN as a build tools on java projects for the development of build artifacts on the source code.

Environment: AWS , Chef, Puppet, Jenkins, VDI,VPC, Route53, EBS, SQL, ELB, Cloud watch, RunDeck, Cloud Formation, Docker, Jira, AWS CLI, AWS Auto Scaling, Unix/Linux, Python, Ruby, Shell scripting, Git.

Client: CELSTREAM TECHNOLOGIES, BANGLORE, INDIA

JAN2013-SEP2014

Role: DevOps Engineer

Responsibilities:

- Involved in setting up **Jira** as defect tracking system and configured various workflows, customizations and plug-ins for the Jira bug/issue tracker.
- Wrote and maintained various **Ansible** modules for the upstream Ansible repository.
- Integrated **Maven** with Perforce to manage and deploy project related tags.

aws **CERTIFIED**

- Installed and administered **Tomcat** repository to deploy the artifacts generated by **Maven** and to store the dependent jars which are used during the build.
- Mentor Business Areas on **Subversion Branching**, Merging strategies concepts.
- Resolved update, merge and password authentication issues in **Jenkins** and **Jira**.
- Involved in implementing Tool Suite (Jira, Jenkins).
- Setting up continuous integration and formal builds using Jenkins with Maven and Tomcat repository.
- Built Openstack based infrastructure for **Database as a service(DBaaS)** and **Load Balancer as a service(LBaaS)**.
- Installed and configured Confluence as the enterprise wiki to document development and change management procedures.
- Maintained custom **PowerShell scripts** that interact with Office 365, Active Directory, SQL, and VMware.
- Involved partially in deploying **WARs/EARs** (backend) through **Weblogic Application Server console**.
- Performed setup of clustered environment with Weblogic Application Server.
- Used **Shell script** to configure the Weblogic application server in all the environments
- Support Lead developers with Configuration Management issues.
- Worked for Creating the Software Configuration Management Plan.
- Managed all the bugs and changes into a production environment using the **Jira** tracking tool
- Designed and Developed **Java Objects** based on **Java Patterns** and UML Specifications.

Environment: Java, Maven, Openstack, Ansible, Jenkins, Jira, Jenkins, Linux, Weblogic, Subversion, Shell scripting.

Client: REGENCY INFOTECH, HYDERABAD, INDIA

OCT 2011-DEC2012

Role: Jr. Linux / Unix Administrator

Responsibilities:

- Managed and administrated of all **UNIX servers**, includes **Linux operating systems** by applying relative patches and packages at regular maintenance periods using **Red Hat Satellite server, YUM, RPM tools**.
- Planned and performed the upgrades to **Linux (RHEL 5x, 6x, SUSE10, 11, CENTOS 5, 6, operating systems** and hardware maintenance like changing memory modules, replacing disk drives.
- Handling **NFS, Auto Mount, DNS, LDAP** related issues.
- Monitoring CPU, memory, physical disk, Hardware and Software RAID, multipath, file systems, network using the tools **NAGIOS 4.0** monitoring.
- Performing failover and integrity test on new servers before rolling out to production.
- Deployment and Configuration of application server **Tomcat** deploying **Java** and **Web Application**.
- Writing **Shell scripts** for automation of daily tasks, documenting the changes that happen in the environment and in each server, analyzing the error logs, analyzing the User logs, analyzing the /var/log/messages.
- Planned, scheduled and Implemented OS patches on Linux boxes as a part of proactive maintenance.
- Identify, troubleshoot, and resolve problems with the OS build failures.
- Used **Chef** for managing server application server such as **Apache, MySQL, Tomcat**.



- Installation, configuration, and customization of services **Sendmail, Apache, FTP servers** to meet the user needs and requirements.
- Performing kernel and database configuration optimization such that it limits I/O resource utilization on disks.

Environment: Red Hat Linux 5.x, 6.x, Autosys, CentOS, VMware vSphere 4.0, VMware ESX 3.5.0, GIT, Shell Scripting, MySQL, Tomcat, Nagios.