ASEEF AHMED

About Myself

I am experienced Sr. DevOps Enginneer having more than 9+years of experience in IT industry. I am an **AWS Certified Solution Architect**, **AWS Certified Developer** , **AWS Certified SysOps Administrator** and **Red Hat Certified Engineer(RHCE)**. I have worked with huge number of projects through out this time. I have a solid experience to work with many DevOps tools such as Git, GitHub, Chef, Anisble, Kubernetes, Puppet, Jenkins, Nagios, AWS CodePipeline, AWS CodeBuild, AWS CodeCommit and so on. In addition to this, I have solid experience to work with PHP, Node JS, Python, Linux Shell, JavaScript and JavaScript Frameworks like Angular JS, Jquery and React JS and many more. Apart from this, i have expertise on CSS, Bootstrap, AWS, Git and on many more web technologies. Moreover, I have explored major cloud platforms like **Amazon Web Service (AWS) & Google Cloud Platform (GCP)**

Vendor Certifications

Certification	Place	Verification Code
AWS Certified SysOps Administrator - Associate	Kuala Lumpur	YQEKSHJKJMBEQDGJ
AWS Certified Developer - Associate	Dhaka	FBEPTTQCBNVQ1YCM
AWS Certified Solution Architect - Associate	Dhaka	D56G7HF1C1Q4QRWZ
Red Hat Certified Specialist in Virtualization	Dhaka	160-256-988
Red Hat Certified Engineer (RHCE)	Dhaka	160-256-988
Red Hat Certified System Administrator (RHCSA)	Dhaka	160-256-988
Zend Certified PHP Engineer (ZCPE)	London	ZEND028194

Professional Summery

- Certified **AWS Solutions Architect** and **Developer - Associate** over 4+ years of professional IT experience in Cloud computing, DevOps Implementation, Build & Release engineering and Linux administration.

- Experience in working with AWS resources like **IAM, EC2, EBS, S3, ELB, VPC, ECS, Lambda, Route 53, Auto Scaling, Cloud Watch, Cloud Front, Cloud Trail, SQS, SNS** and experienced in Cloud automation.

- Designed **AWS Cloud Formation** templates to create custom sized **VPC** , **Subnets**, **NAT** to ensure successful deployment of Web applications and database templates and expertise in architecting secure VPC Solutions in AWS with the help of **Network ACLs** , **Security groups** , public and private network configurations.

- Hands on experience in setting up database in AWS using **RDS** , storage using **S3** bucket and configuring instance backups to S3 bucket to ensure fault tolerance and high availability.

- Thorough knowledge of C# programming concepts, SDLC, testing and debugging methods, system design, and implementation, database system,

Professional Certification

AWS Certified SysOps Administrator - Associate

AWS Certified Developer - Associate

AWS Certified Solution Architect - Associate

Red Hat Certified Specialist in Virtualization

Red Hat Certified Engineer (RHCE)

Red Hat Certified System Admin (RHCSA)

Zend Certified PHP Engineer (ZCPE)

Professional Course

GCP

AWS

Container Orchestration Tools

Docker

Docker Swarm

Kubernetes

Red Hat Openshift

AWS ECS

Programming Skills

HTML5

CSS

JavaScript

PHP

MySQL

Bootstrap

including DB2 and relational databases, program documentation, web and desktop application development

- Proficient in Object oriented programming such as C, C++, C# as well as experience with MS SQL Server, ASP. NET, MVC, and ORM frameworks

- Played a key role in automating the deployments on AWS using **GitHub, Puppet , Chef and Jenkins** .

- Used **Bash** and **Python** , included Boto3 to supplement automation provided by Ansible tasks such as provissioning **EC2** instances and doploying web application into those instances.

- Good Understanding and implementation experience of CI/CD pipeline, automation programmatically by creating **Jenkins** jobs and pipelines and solving various problems with **ANT, Maven, Gradle** as plugin

- Experience with installation and configuration of **Docker** environment(v1.5.0) including Docker registry hub for managing different Docker images and deployment of applications inside the software containers.

- Installing, configuring and managing the databases like **MySQL, PostgreSQL , MongoDB, DynamoDB**

- Solid understanding of MVC design pattern of PHP with hands - on experience on frameworks such as **Laravel** and **CakePHP**.

- Hands on experience with **Eloquent ORM**, **DataBase Migrations** and **Authentication**.

- Experience in cross-browser and cross-device UI development using **HTML5, CSS3, Bootstrap and JavaScript**.

- Experience in using Java Script library like **D3.JS** for producing dynamic and interactive data visualizations in web browsers.

- Extensively used **JavaScript, jQuery, ReactJS and AngularJS** technologies to build dynamic web contents with high performance.

- Good knowledge in server-side scripting language like **Node.js**.

- Worked with relational databases like **MySQL** and non-relational databases like **MongoDB**

- Good knowledge of SQL and experienced in building complex queries.

- Proficient in creating and consuming **RESTful Web APIs**.

- Experience working in **Test Driven Development (TDD)** environment along with Unit Testing, Quint, Jasmine, Karma and PHPUnit.

- Hands on experience on defect tracking tools like **JIRA** and task runner tools like **GRUNT & GULP**.

- Experience in all stages of **Software dDevelopment Life Cycle (SDLC)**.

- Used different version control tools such as **Git Hub** and **Git**.

- Experience in **Continuous Integration (CI)** and **Continuous Deployment (CD)** using **enkins** and **Amazon Web Services(AWS)** with EC2 to Create Instances and for Deployment.

- Experienced in developing web based application using **Python** and **Django** Framework.

- Installation of Packages, Patch Management and Upgrades.

Wordpress	●●●●●●●
Ruby on Rails	●●●●●○○
C#	●●●●●○○
Python	●●●●●●○
ASP.NET	●●●○○○○
Shell Programming	●●●○○○○
Data Analysis in Python	●●●●○○○

PHP Frameworks

Laravel	●●●●●●○
Codeigniter	●●●●●●○
Zend	●●●●●○○
CakePHP	●●●●●○○
Django	●●●●●●○
Magento	●●●●●●○

DevOps Tools

Jenkins	●●●●●○○
Chef	●●●●●○○
Ansible	●●●●●●○
Puppet	●●●●●●○
AWS	●●●●●●●
Selenium	●●●●●●○
Datadog/New Relic	●●●●●●○
Maven	●●●●●○○
Docker	●●●●●●○

Servers

Apache	●●●●●○○
Nginx	●●●●●○○
Tomcat	●●●●○○○

Cloud Computing (AWS)

Elastic Cloud Compute (EC2)	●●●●●●●
Simple Storage Service (S3)	●●●●●●●
CloudFormation	●●●●●●○
Relational Database Services (RDS)	●●●●●●○

- Experienced in writing **Shell scripts** using bash, **python** for group/user administration, startup/shutdown and other system related task.

- Hands on implementing **Web Servers, Database Servers, Mail servers** on Unix environment.

- Solid knowledge on **Linux commands** to perform system administration related tasks on Unix environment.

Employment

Fair Pattern Inc	2015 - Current

Sr. DevOps Engineer & Chief Cloud Architect

- Performed the automation deployments using AWS by creating the IAMs and used the code pipeline plugin to integrate Jenkins with AWS and created the EC2 instances to provide the virtual servers

- Wrote Lambda functions in python for AWS Lambda and invoked python scripts for data transformations and analytics on large data sets in EMR clusters and AWS Kinesis data streams.

- Wrote multiple Python Scripts to configure and automate the deployment processes and worked on Python Boto module to connect to AWS resources without logging onto AWS Console .

- Extensively worked on Setting and building AWS infrastructure using resources VPC, EC2, S3, RDS, Dynamo DB, IAM, EBS, Route53, SNS, SES, SQS, CloudWatch, CloudTrail, Security Group, Auto Scaling, and RDS using CloudFormation templates.

- Involved in supporting cloud instances running Windows on AWS, experience with Elastic IP, Security Groups and Virtual Private Cloud in AWS

- Using Terraform as a tool, Managed different infrastructure resources Cloud, VMware and Docker containers.

- Worked on it for automating VPCs, ELBs, security groups, SQS queues, S3 buckets, and continuing to replace the rest of our infrastructure

- Deployed EC2 Container Service plugin in Jenkins, which automates the Jenkins master-slave configuration by creating temporary slaves.

- Worked on building & deploying Java code through Jenkins , used Jenkins Amazon Web Services (AWS) Code Deploy plugin to deploy to AWS and worked AWS Cloud management

- Used the Ansible Galaxy, a shared repository for the roles to download, share and manage the roles.

- Automation and deployment templates for relational and nonrelational databases including MySQL and Cassandra used in AWS RDS.

- Worked with AWS CloudFormation Templates, terraform along with Ansible to render templates and Murano with Orchestration templates in OpenStack Environment, also worked with Ansible YAML Automation scripts to create infrastructure and deploy application code changes autonomously

- Used Ansible playbooks to setup Continuous Delivery pipeline.

- This primarily consists of a Jenkins and Sonar server , the infrastructure to run these packages and various supporting software components such as Maven .

- Deployed and configured Chef Server and Chef Solo including bootstrapping of Chef client nodes for provisioning using a knife and automated by testing Chef recipes, cookbooks with test-kitchen, chef spec.

and many more...

English Proficiency

IELTS - 7.5

Javascript Skills

JQuery

React.JS

Node.JS

Angular.JS

Database Skills

MySQL

MongoDB

SQL Server

Microsoft Office

MS Excel

MS Access

MS Powerpoint

Third Party API

Amazon

Payment Gateways

Google

Facebook

Twitter

Operating System

Linux

Mac

Windows

Version Control System

Git

Github/BitBucket

Linux Server

- Wrote 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.

- Implemented Chef Recipes for Deployment on build on internal Data Centre Servers.

- Also re-used and modified same Chef Recipes to create a Deployment directly into Amazon EC2 instances.

- Deployed Java applications to Application servers in an agile continuous integration environment and automated the whole process and built scripts using MAVEN build tools in Jenkins , Sonar to move from one environment to another environment.

- Installed and administered Artifactory repository to deploy the artifacts generated by Maven and to store the dependent jars which are used during the build.

- Worked with Docker Container, container snapshots, attaching to a running container, managing containers, directory structures and removing Docker images. Kubernetes, Openshift or Docker swarm were used for container orchestration depending on client requirements.

- Extensively Worked on Docker service rolling updates to implement zero downtime PROD deployments and worked with Docker Trusted Registry as repository for our Docker images and worked with Docker container networks communications using Docker Weave.

- Provided consistent environment using Kubernetes for deployment scaling and load balancing to the application from dev through production, easier the code development and deployment pipeline and worked on container-based deployments using Docker and cluster management environment by using Kubernetes.

- Used GIT for Branching, Merging, Tagging and maintaining the version across the environments on Linux platforms.

- Designed and implemented GIT metadata including elements, labels, attributes, triggers and hyperlinks and performed necessary day to day GIT support for different projects.

- Wrote Python scripts using the Boto3 library to automatically spin up the instances in AWS EC2 and OpsWorks stacks and integrated with Auto scaling with configured AMI's.

- Used Nagios as a monitoring tool to identify and resolve infrastructure problems before they affect critical processes and worked on Nagios Event handlers in case of an automatic restart of failed applications and services.

- Installed , Configured , Managed monitoring tools like Datadog, Dynatrace, Cloud Watch for Resource Monitoring, Network Monitoring , Log Trace Monitoring .

- Generated reports on different bugs and tickets using JIRA/ Bug tracking. Created & solved blocked or unassigned tickets.

- Configured commercial SSL certificates for Applications Servers such as WebSphere, WebLogic, Tomcat using NGINX and Apache web servers to terminate SSL endpoint.

- Migrated the Current Linux Environment to AWS-RHEL Linux Environment and Administered Linux/Unix servers by applying relative Patches using RedHat Satellite Server also performed Kickstart to automate installation process

- Migrated the Current Linux Environment to AWS-RHEL Linux Environment and Administered Linux/Unix servers by applying relative Patches using RedHat Satellite Server also performed Kickstart to automate installation process.

System Administration	●●●●●○○
Database Server	●●●●●●○
Web Server	●●●●●●○
DNS Server	●●●●○○○
Mail Server	●●●●●○○
Firewall	●●●●●○○

Project Management Tools

Jira	●●●●●●○
Microsoft Office 2010	●●●●●○○

Graphical Tools

Photoshop	●●●●●○○

Typing Speed

70 wpm	●●●●●●●

Trainer

* North South University (NSU)
* International University of Business Agriculture and Technology (IUBAT)
* IT Bangla
* Information of Science & Technology
* Udemy

Mission 2018

* AWS Developer Associate Certification
* AWS SysOps Associate Certification
* AWS Professional DevOps Cert.
* AWS Big Data Certification
* Jenkins Certifications
* Red Hat Certified Architecht
* Deep Dive Into Python
* Learning Machine Learning
* Deep Dive Into Big Data
* Learning More DevOps Tools

This Year Achievments

* AWS Developer Associate Certification

Professional Certification

AWS Certified SysOps Administrator - Associate	●●●●●●●

Nexus Business Consultancy Ltd   **2011 - 2015**

Sr. DevOps Engineer

- Worked with Amazon AWS Cloud Services, (EC2, S3, EBS, ELB, Cloud Watch, Elastic IP, RDS, SNS, SQS, Glacier, IAM, VPC, Cloud Formation, Route53) and managing security groups on AWS, focusing on highavailability, fault tolerance, and auto-scaling.

- Worked on AWS cloud to provision new instances, S3 Storage Services, AWS EC2, Cloud watch services and CI/CD pipeline management through Jenkins.

- Used AWS Beanstalk for deploying and scaling web applications and services developed with Java, Net, PHP, Node js, Python & to perform application health checks

- Integrated AWS Lambda with AWS DynamoDB to automatically respond to events in DynamoDB streams

- Python Scripting in DevOps, to model and manage the entire application from load balancers to a database .

- Utilized AWS CLI to automate backups of ephemeral data-stores to S3 buckets, EBS and create nightly AMIs for mission critical production servers as backups.

- Worked with various PCF components like OAuth2 server, login server to provide identity management & Cloud Controller to configure deployment of applications

- Wrote Chef Cookbooks for various DB configurations to modularize and optimize product configuration, converting production support scripts to Chef Recipes and AWS server provisioning using Chef Recipes

- Installed, deploy, and configure Chef Server Enterprise on-premise/ workstation.

- Bootstrapped the nodes using Knife and automated by testing Chef recipes/Cookbooks with Test-kitchen/spec.

- Used Chef to automate the deployment workflow of JAVA applications on Apache Tomcat server

- Developed Ansible playbooks for managing the application/OS configuration files in GitHub, integrating with Jenkins, and Verifying with Jenkins plugins, deploying the application into the Linux Environment

- Handled configuration-management, application deployment, cloud provisioning, ad-hoc task-execution, and multimode orchestration using Ansible.

- Created Docker images using a Docker file, worked on Docker container snapshots, removing images, and managing Docker volumes.

- Defined dependencies and plugins in Maven (pom.xml) for various activities and integrated Maven with GIT to manage and deploy project related tags.

- Used Version Control tool, SVN to create branches and implement parallel development process.

- Implemented a GIT mirror for SVN repository, which enables users to use both GIT and SVN.

- Python Scripting in DevOps, to model and manage the entire application from load balancers to a database.

- Involved in JIRA as defect tracking system and configure various workflows, customizations and plug-ins for JIRA bug/issue tracker

Certification	Level
AWS Certified Developer - Associate	●●●●●●○
AWS Certified Solution Architect - Associate	●●●●●●●
Red Hat Certified Specialist in Virtualization	●●●●●○○
Red Hat Certified Engineer (RHCE)	●●●●●●○
Red Hat Certified System Admin (RHCSA)	●●●●●●○
Zend Certified PHP Engineer (ZCPE)	●●●●●●●

Professional Course

Course	Level
Red Hat Linux	●●●●●●●
CCNA	●●●●●○○

Programming Skills

Skill	Level
HTML5	●●●●●●○
CSS	●●●●●●○
JavaScript	●●●●●○○
PHP	●●●●●●○
MySQL	●●●●●●○
Bootstrap	●●●●●○○
Wordpress	●●●●●●○
Ruby on Rails	●●●●●○○
C#	●●●●○○○
Python	●●●●●●○
ASP.NET	●●●○○○○
Shell Programming	●●●●○○○
Data Analysis in Python	●●●●○○○

PHP Frameworks

Framework	Level
Laravel	●●●●●●○
Codeigniter	●●●●●●○
Zend	●●●●●●○
CakePHP	●●●●●○○
Django	●●●●●●○
Magento	●●●●●○○

DevOps Tools

- Maintained Bitbucket Repositories which includes Jenkins and JIRA Integration, creating new repositories, enabling GIT to ignore, branching, merging, creating pull requests and the access control strategies from Bitbucket

- Installed and Configured the Apache Tomcat application servers for Dev and Integration Test Environments .

- Automated the process of deployment to Apache Tomcat Application Servers by developing Java Scripts , Perl Scripts and python scripts .

- Developed a Shell script for real-time monitoring and reporting of status of the application server JVMs and server machines on the internal network using BASH shell on RHEL.

- Involved in Troubleshooting of all aspects of the Unix/Red Hat Linux operating environments and coordinated with all the teams before and after the production deployments for the smooth production releases

BJIT Ltd.(Bangladesh-Japan IT)   2008 - 2009
PHP Developer

My main responsibility was building flexible, modular and well tested JavaScript/HTMl/CSS based applications. Some of them require real time communication, so I have the luck to work with various Javascript frameworks. Along with that I'm using node to improve and speed up my workflow. Coding cross-browser web sites, I'm happy to say that I produce responsive apps.

Evoknow (A USA Based Software Firm)   2007 - 2008
Web Developer

As a web developer I had to work as a team member to develop robus web applicatio based on PHP, Javascript, CSS and many other Javascript frameworks along with MVC Framework.

Remarkable AWS Projects

Automated software delivery life cycle using CI/CD pipeline :
- Created a release pipeline that automates software delivery process using AWS CodePipeline.
- Connected to a source repository like AWS CodeCommit to that pipeline.
- Automated code deployments by connecting that pipeline to AWS CodeDeploy.
- Pluged in a build service such as Jenkins with the CI/CD automation.

Created a build server for Continuous Integration (CI) on AWS:
- Launched a virtual application server to host Jenkins server using Amazon EC2. In that single-node setup, both the Jenkins server and agent run on the same Amazon EC2 instance.
- Deployed Jenkins on Amazon EC2.
- Configured the Jenkins with build servers so that it spins up additional Amazon EC2 instances as build servers, based on resource consumption.

Migrated a GIT repository from GitHub into AWS CodeCommit:
- Created a private Git repository using AWS CodeCommit. This is the destination where our project was hosted.
- Migrated that project to our CodeCommit repository.
- The project we were going to migrate from GitHub was a large and very old project having more than six years of histories and pushing such a large project into AWS CodeCommit in one go would be troublesome. Therefore, we pushed the code into AWS CodeCommit in an incremental manner using python script.

Hosted a static website in AWS (Using AWS S3, Route53 & CloudFront):
- Deployed a static website using Amazon S3. Amazon S3 will provide the origin for that website as well as storage for the static contents.
- Associated the domain name with that website using Amazon Route 53. Amazon Route 53 will tell the Domain Name System (DNS) where to find that website.
- Enabled that website to load quickly using Amazon CloudFront. Amazon

Skill	Rating
Jenkins	●●●●●○○
Chef	●●●●●○○
Ansible	●●●●●●○
Puppet	●●●●●○○
AWS	●●●●●●○
Datadog/New Relic	●●●●●○○
Maven	●●●●○○○
Docker	●●●●●●○

Mission 2018

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* AWS SysOps Associate Certification
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* AWS Big Data Certification
* Jenkins Certifications
* Red Hat Certified Architecht
* Deep Dive Into Python
* Learning Machine Learning
* Deep Dive Into Big Data
* Learning More DevOps Tools

Professional Certification

Certification	Rating
AWS Certified SysOps Administrator - Associate	●●●●●●●
AWS Certified Developer - Associate	●●●●●●○
AWS Certified Solution Architect - Associate	●●●●●●●
Red Hat Certified Specialist in Virtualization	●●●●●○○
Red Hat Certified Engineer (RHCE)	●●●●●○○
Red Hat Certified System Admin (RHCSA)	●●●●●●○
Zend Certified PHP Engineer (ZCPE)	●●●●●●●

Professional Course

Course	Rating
Red Hat Linux	●●●●●●○
AWS	●●●●●●●

Programming Skills

Skill	Rating
HTML5	●●●●●●○
CSS	●●●●●●○

> CloudFront will create a content delivery network (CDN) that hosts that website content in close proximity to the users of that website.

Remarkable Web Development Projects

www.evonuer.com: This is a social networking site built for entrepreneurs to start up a business by generating ideas. It has been based on Laravel framework whereas Jquery has been used as Javascript framework. So many social networking features have been implemented here such as login, registration, messaging, share, comments, file uploads and so many things.

School Automation Record Management System: Its a ASP.Net Project" for an automated system that manages student details. All details like college details, student personal details, academic details etc are handled by it. The main motive of using this management tool is for academic institutions which range from schools and colleges which simplifies the administrative process including personal management, inventory as well as payments.

www.nrbbuysell.com: This is an ecommerce site based in Bangladesh. This site have been built from witout using any ecommerce frameworks. Angular JS has been used for frontend development and CakePHP has been used in the backend. Apart from products uploads, there are lots of modules such as payment gateway, inventory, shipping cost calculation have been developed. A modern technology used to make sure site loading is faster.

www.deltanettravel.gr: Deltanet is a destioation management website that helps to manage tourist services, in Greece. You can really see different features on this website, so smooth browsing. [Laravel Project, React.Js, Mysql, Git, JIRA]

www.fusioninvoice.com: With FusionInvoice you can launch your own self-hosted invoicing platform that you can use to keep track of your monetary situation within your business, all within a beautiful interface [Laravel Project, JQuery, Ajax., Mysql, Git]

Education

Computer Science & Engineering (CSE)	**2001 - 2005**
Jahangirnagar University	
CGPA: 3.21 (Out of 4)	

Masters in Business Administration (MBA)	**2009 - 2010**
University of Wales	
Result: 60%	

WEB: aseefahmed.github.io

Skill	Level
JavaScript	●●●●●○○
PHP	●●●●●●○
MySQL	●●●●●○○
Bootstrap	●●●●●●
Wordpress	●●●●●○
Ruby on Rails	●●●●●○○
C#	●●●●○○○
Python	●●●●●○
ASP.NET	●●●○○○○
Shell Programming	●●○○○○○
Data Analysis in Python	●●●○○○

PHP Frameworks

Framework	Level
Laravel	●●●●●●
Codeigniter	●●●●●●○
Zend	●●●●●○○
CakePHP	●●●●●○
Django	●●●●●○
Magento	●●●●●○○

DevOps Tools

Tool	Level
Jenkins	●●●●●○○
Chef	●●●●●○○
Ansible	●●●●●●○
Puppet	●●●●●○○
AWS	●●●●●●○
Selenium	●●●●●○
Datadog/New Relic/	●●●●○○○
Maven	●●●●○○○
Docker	●●●●●○

Servers

Server	Level
Apache	●●●●●○○
Nginx	●●●●●○○
Tomcat	●●●●○○○