



NISEPH SHAKYA

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Certificate credential : [AWS Certified Solution Architect- Associate](#)

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Certified AWS Cloud Associate with more than 3 years of experience in CI/CD(continuous Integration/continuous Deployment), Build and Release, Strong knowledge in Linux, Unix Administration, strong knowledge on the principles and best practices of Software Configuration Management (**SCM**) and in Agile, Scrum, and Waterfall methodologies.

- Knowledgeable on all services provided by **AWS**, that includes but is not limited to; AWS Code pipeline, AWS Code build, AWS Lambda, EC2, S3, CloudFormation, CloudWatch, AWS SNS, AWS SQS, Amazon DynamoDB, AWS RDS, AWS SDKs and more.
- Knowledgeable in managing and maintaining infrastructure as code for IT infrastructure utilizing **Terraform** for cloud platform i.e. AWS
- Proficient with configuration management tools like, **Ansible, Chef and Puppet**.
- Hands on experience in configuring and setting up Jenkins for Continuous Integration and End -to -End automation for all builds and deployment.
- Experience working with version control system like Subversion, GIT and used Source code management tools like **GITHUB, BITBUCKET** including command line interface.
- Knowledge of Docker components like **Docker Engine, Docker Hub, Docker Registry** and managed docker deployment pipeline for custom image in the cloud.
- Hands on experience on **Bash, Python Script, JavaScript, and PowerShell** scripting.
- Expertise in deploying code through web application servers like **WebSphere/Web Logic/ Apache Tomcat/ JBOSS**.
- Experience on creating and managing all types of files such as XFS, ZFS, EXT3, EXT4, UFS.
- Configured volume groups and logical volumes, extended logical volumes for file system growth needs using Logical Volume Manager (LVM).
- Experience in installation, configuration, management, upgrading, troubleshooting and support of tomcat, Apache Web Server n Red Hat Linux System
- Hands on experience on Build, deploy, configure and maintain system, which may include software installation, updates, and core services.
- Knowledge on setting up **Nexus as repository** manager from scratch and configuring different repositories for both **ANT/Maven builds**.

- Experience in monitoring tool like **Nagios**, worked on identifying, resolving, and monitoring infrastructure problems before they affect critical processes by using Nagios.
- Proficient in using **Jira** as the monitoring/ticketing tool, also solved the issues and maintained bugs using **JIRA** to track and document processes.
- Good experience with **Java** and **Object-Oriented** Methodologies for web-based applications development, with framework in designing, developing, analyzing, implementing, and providing production support for software in enterprise **J2EE applications**.
- Extensive knowledge of building single page application with **Java Script, HTML/HTML5, jQuery, CSS, RESTFUL Web API'S, JSON**.
- Knowledge on Selenium automation using **Selenium IDE, Selenium WebDriver, Selenium Grid, Java, Junit, TestNG, Jenkins, log4j and MAVEN**.
- Research driven and highly organized worker with articulate communication skills and strong determination towards the details.
- Dedicated, responsible and always eager to learn new tools and technologies while boosting tactical knowledge for decision making and solving problems.

TECHNICAL SKILLS

Virtualization tools: Docker, Kubernetes

Configuration Management: Ansible, Chef & Puppet

Continuous Integration: Jenkins, Circle CI

Version control: Git, GitHub, GitLab, Bitbucket

Build Tools: ANT, Maven

Servers: WebSphere/Web Logic/ Apache Tomcat/ JBOSS.

Shell Scripting: Bash, Python.

Cloud Platform: AWS, AZURE.

Operating System: UNIX/LINUX, Windows, MacOS.

Programming: Java, JavaScript

Monitoring: Nagios, Splunk, CloudWatch

WORK HISTORY

Innovate tech, Kathmandu, Nepal

Sep 2016 – May 2019

DevOps Engineer

Innovate tech is a company working on providing an innovative approach to product development. IT focuses on inspiring practical education practices and sustainable technological solutions.

Responsibilities:

- Responsible for installation and configuration of Red hat Enterprise Linux in development and test environment on physical servers as well as Virtual Machines.
- Worked on implementation and development of AWS EC2 instance, Amazon S3, Amazon RDS, and Amazon Elastic load balancing.
- Configured **Amazon EC2** instance to host an application in a private subnet and used Amazon S3 to store data and used VPC endpoint to ensure that the data cannot traverse the public internet.
- Implemented Infrastructure as Code by utilizing **Terraform** for **AWS** resource provisioning, worked on creating network modules, EC2 modules.
- Used Cron-job to schedule repetitive tasks in Linux environments.
- Configured Jenkins as a common build engine to build and deploy applications to dev, QA, and UAT and PROD environment.
- Connected continuous integration system with GIT version control repository and continually build as the checks -in's come from the developer.
- Experience in managing Ansible Playbooks with Ansible roles, group variables and inventory files and copy and remove files on remote systems using file module.
- Written ansible playbooks for installation or configuration of various application like MySQL, Kafka, MongoDB, Apache etc.
- Configured the Docker containers and creating Docker files for various applications.
- Worked with Docker container snapshots, attaching to a running container, managing containers, directory structures and removing Docker images.
- Responsible for Administrating and maintaining **Jenkins** master and slave nodes, worked on creating many Jenkins slave nodes and setup jobs on Jenkins master nodes to run on slaves.
- Worked on integrating **Jenkins** and **SonarQube** with the help of **Maven** to analyze the project/codes prior to the deployment to improve the code quality.
- Utilized GIT and SVN for source code management.
- Worked on supporting releases and CI builds by creating feature, develop and release branches in **Git** for different applications.
- Troubleshooting Network, memory, CPU, swap and File system issues, TCP/IP, NFS, DNS, and SMTP in Linux servers.
- Installed and configured **Apache Tomcat, Apache webserver, NGINX, WebSphere**.
- Performed routine system management, operating system upgrades and software update, installation and remove packages using RPM and YUM.
- Worked on Shell scripts for automation of daily tasks and created CRON jobs.
- Worked on configuring and deploying Atlassian tool **JIRA** for hosting and tracking issues for local instances, collaboration, and tool-chain automation. Worked with **Remedy** alongside JIRA for Bug Tracking.
- Worked closely with the business cross functional teams throughout the SDLC process.

Environment: AWS, Docker, Python, ANT, Maven, Shell, Perl, Jenkins, GitHub, SPLUNK, CloudWatch, Nagios

Uniweb Technologies is a company working in the field of internet application development. It is focused on the continuous innovation and improvement of art, science, media, technology, and human centered thinking.

Responsibility:

- Interacted with the users, for requirement gathering.
- Involved in developing front-end screens using JavaScript, JSP, servlets, HTML, CSS, Bootstrap.
- Involved in production support, fixing defects, and developing new features and worked on enhancing the existing features.
- Performed and executed manual test cases in different testing phases like **Functional testing, Integration testing, Regression testing, GUI testing, Browser Compatibility testing, Smoke Testing, User Acceptance Testing.**
- Automated manual test cases using the **Selenium WebDriver** and **JUnit, TestNG, Cucumber BDD** to cover all the quality risks identified as needing extensive or balanced testing.
- Worked on Deploying applications through WebLogic and maintaining the database, and maintained the projects utilizing **Maven** and **Git** aiding in improvement of the system integrations.
- Worked on developing a user-friendly application that accepts data from user and then stores it in database utilizing core **Java, Swing** and **Hibernate**.
- Implemented Java server applications with various **Java/J2EE** technologies including servlet, JSP, Spring framework, Hibernate, Web Service, JDBC, JMS, JMX, GWT, JSF, and Struts.
- Contributed to an atmosphere of cross-functional teamwork within the organizations agile project lifecycle.
- Worked on analyzing and assisting in creating Business Requirements, Functional Requirement, and detailed Design documents.
- Worked on improving Regression testing by implementing, developing, and performing the Unit testing utilizing **JUnit**.
- Wrote **SQL** and **PL/SQL** queries on SQL servers to control the rows of information that is stored in tables in a database.

Environment: Java, J2EE, Spring IOC, Spring MVC, HTML5, XML, Selenium, WebDriver Maven, GIT, Junit, SQL, Java Script, UNIX.

Education: Bachelor of Business Information System, Kathmandu University

Certification: AWS Solution Architect- Associate.

Reference: Nimbus Shrestha- Innovate Tech (team lead)

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