



Jamiul Islam
DevOps Engineer

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Introduction

Critical thinking DevOps Engineer with extensive understanding of high availability architecture and concepts. Talented performer with over 3 years plus of hands-on experience in architecting/ automating mission critical deployments over large Cloud Infrastructure. Proficient with backend designing and development, testing and implementing infrastructure and applications.

Skills

- 3+ years' experience in AWS
- 3+ years' experience in server administration (Red Hat, CentOS, Ubuntu)
- Proficient in writing scripts (Bash, Python)
- Knowledge of various DevOps Tools and Micro services (Git, Jenkins, Docker, Kubernetes, Ansible, Chef)
- 2+ years' experience in deployment and management of backend services (Python, Java, PHP, React.js)
- 3+ years' experience in various virtualization technology (Proxmox, VMware Workstation, VirtualBox).

Experience

DevOps Engineer – April 2021 – Present

Neural Semiconductor Limited, Dhaka, Bangladesh

Working on: Git, GitHub, Docker, Docker Hub, and Docker Compose Kubernetes.

Working on K8s Tools: Helm, Dashboard.

Scripting languages: Bash, Python.

Configuration management Tools: Ansible, Chef.

Infrastructure monitoring systems: Prometheus, Nagios, Grafana.

Cloud Providers: AWS, Digital Ocean.

CI/CD Pipeline Setup: Full pipeline setup using Jenkins for java spring boot project and react project.

Microservice Setup: Full containerization on spring boot project and react project and create docker image store in docker hub repository.

Nginx Reverse proxy Setup: Setup nginx reverse proxy and nginx API gateway.

Server Setup: Proxmox Setup for in-house Server manage, Open VPN, PPTP VPN(On Mikrotik), VNC Server. ModelSim, OpenRefactory, Project Management

tool, Confluence, BookStack, Postfix for in-house server health monitoring by email notification, PXE, Samba Server, LDAP, OwnCloud.

Working on Virtualization Tools (VMware Workstation, Proxmox).

Working on Databases (PostgreSQL, MySQL, SQLite, Redis)

Working on Infrastructure (Red Hat, CentOS, Ubuntu, Windows Server).

Framework (React, Spring Boot)

CAD Engineer – October 2021 – Present

Neural Semiconductor Limited, Dhaka, Bangladesh

Activities and Responsibilities:

Installing and updating the PDK

Starting SOS servers and setup for projects; Installing and keeping track of licenses;

Disk space management and optimization;

Install/update the EDA tools as needed, like new version Virtuoso, Calibre Customization;

Transfer files between external environment and AWS chamber; Collect license requirement information from designers;

Buy new licenses when needed;

Support local VPN and router setup/ configuration/ maintenance; Help new members build accounts and set up work environment in AWS chamber.

Manage the temp accounts like layout accounts for contractors;

Circuit simulator support;

Layout extraction and verification tool support;

Liberty file generation support;

Timing verification tool support;

Generate scripts for results reporting;

Monitor the utilization of servers in terms of disk, processing power, and RAM.

Experience

DevOps Engineer – June 2019 – April 2021

Atom AP Limited, Dhaka, Bangladesh

Working on DevOps Tools: Git, GitHub, Docker, Docker Hub, Kubernetes, CI/CD Pipeline (Method), Maven, Selenium.

Scripting languages: Bash, Python. Configuration management Tools: Ansible, Chef.

Infrastructure monitoring systems: Prometheus, Nagios, Grafana.

Log management systems: Elastic Stack, Graylog, Splunk.

Cloud providers: AWS, Digital Ocean.

CI/CD platform: Jenkins, Git, GitLab.

Server Setup: Open VPN, NextCloud, OwnCloud, Samba Server, PXE.

Working on Virtualization Tools (VMware Workstation, Proxmox)

Working on AWS (VPC, EC2, Storage (EBS, S3, S3 Glacier, EFS), Lambda, Site to Site VPN, Elastic Beanstalk, Amazon Redshift, Lightsail, Route 53, CloudWatch, API Gateway, DynamoDB, AWS Auto Scaling, Load Balancer, CloudFormation, CloudTrail, IAM, ECS).

Working on Mikrotik (Basic Configuration: LAN WAN & Bridge, IPsec, BGP, Site to Site VPN)

Established with Grameenphone & AWS VPC, Port Forwarding, Routing with cPanel.

Working on Databases (MySQL, MS SQL, PostgreSQL, MongoDB).

Working on Infrastructure (Ubuntu, CentOS, Windows Server).

Working on Application (Python, PHP, Ruby, YAML, WordPress).

Working Framework (Laravel, Coordinator, Django, Flask, Spring Boot, React).

Education

Bachelor of Science: **Computer Science and Engineering (CSE)** – 2019

Daffodil International University, Dhaka, Bangladesh

SSC & HSC: **Palordi Model School & College** (2012-2014)

Barisal, Bangladesh

Languages

Bangla – Native

English – Fluent

Reference

Md. Mehedi Hasan

Sr. Design Engineer

Neural Semiconductor Limited

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Reference

Mirazuddin Ahmed

Managing Director & COO

Atom AP Limited.

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