**Gaorav Malhotra**

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**DevOps Lead Engineer**

**Professional Summary:**

* Over 9+ years of experience in IT industry with major focus **on Kubernetes** with a demonstrated history of working in Production, Linux, Cloud infrastructure and Operations AWS (Amazon Web Services) in the information technology and services industry.
* Experienced in setting up Kubernetes cluster in on premise data center.
* Experienced in setting up Kubernetes networking architecture.
* Experienced in setting up enterprise and open source Kong API Gateway.
* Experienced in designing and implementing CICD pipeline for deploying microservices in Kubernetes using Jenkins and Flux.
* Having Experience in setting up and deploying Prometheus and Grafana, monitoring and dashboard tools for Kubernetes.
* Experienced in deploying and configuring **Sentry**, error monitoring tool with slack integration.
* Highly skilled in AWS-"EC2, S3, VPC, RDS, EMR, IAM, Cloud front, Cloud trail, Cloud watch, SNS, ELB, Security Groups, EMR, Resource tagging, Trusted Advisor etc.
* Hands on Experience on **AWS** cloud service like **Compute**, **Network**, **Storage** and **Identity & access management.**
* Wrote **Ansible playbooks** to launch **AWS instances** and used **Ansible** to manage web applications, configuration files, used mount points and packages.
* Hands on experience in Terraform - Infrastructure as a service.
* Expert in configuring and installing **Apache Tomcat**, **WebLogic**, **JBOSS** and **MySQL, Nginx**.
* Experienced in deploying Infrastructure as a code through **Terraform**
* Migrated on premise servers, hard drivers and web applications to **AWS.**
* Good understanding of storage concepts. Experience in designing and implementing **AWS Storage**.
* Responsible for ensuring Systems & **Network Security**, maintaining performance and setting up monitoring using **CloudWatch and Nagios**.
* Familiarity with **IP** networking in **TCP** and **SSL Firewalls**.

# ACADEMIC QUALIFICATION

**B. Tech (IT)** from S.D.I.T.M, Israna affiliated to Kurukshetra University, passed out in 2011 with 65%.

**Technical Skills:-**

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| --- | --- |
| **DevOps Tools** | Ansible, Terraform |
| **Cloud Platform** | Amazon Web Services (AWS) |
| **Virtualization/Container** | Docker, Kubernetes |
| **CI/CD Tools** | Jenkins, Ansible |
| **SCM Tools** | GitHub, SVN |
| **Monitoring Tools** | Nagios, CloudWatch, |
| **Web/App Servers** | Web Logic, Apache Tomcat, JBOSS, Nginx |
| **Database** | SQL Server, Enterprise NoSQL, Oracle |
| **Scripting Languages** | Shell scripting, |
| **Operating Systems** | UNIX, Linux, Windows server |

**Professional Certification: -**

**AWS Certified Solution Architect-Associate**

**Airtel Africa Digital Labs (Gurgaon)**

**Feb’20-Till Date**

* Installation and configuration of Kubernetes(k8s) Multi-node cluster and Docker.
* Implementation of Kong Api gateway.
* Implemented CICD pipeline for deploying microservices in Kubernetes using Jenkins and Flux.
* Sentry Setup for Error logs Monitoring.
* Design the Kubernetes architecture from scratch.
* setting up the Prometheus and Grafana, monitoring and dashboard tools for Kubernetes.
* Managing the Team of 5 Devops Engineer
* Jira/Confluence/Bitbucket setup from scratch.
* Created the Documentation for kubernetes architecture and Deployment Setup.

**Liquidhub Analytics Pvt Limited (Gurgaon)**

**March’19-Jan’20**

* Installation and configuration of Kubernetes(k8s) and Docker.
* Implementation of Cloud Front.
* Configuration of cloud front with magneto-based application.
* Creation of General Purpose and Provisioned IOPS Disk.
* Launching Amazon EC2 cloud instances using Amazon Web Services (Linux/RHEL/Ubuntu) and configuring launched instances with respect to specific applications.
* Implemented monitors, alarms and notifications of production and corporate servers/storage using AWS CloudWatch.
* Experience with Windows and Linux systems in public clouds such as AWS.
* Improve system Checking unhealthy nodes of EMR cluster and increase nodes to minimize the load on EMR.
* Expertise with the understanding of ITIL, Incident, Problem, Change, Configuration, Release Management.

**Mywish Marketplaces pvt ltd(www.wishfin.com),Gurgaon**

**Nov’18-March’19**

**Role: - Sr Devops Engineer**

**Responsibilities: -**

* Creation of private cloud (VPC) in AWS.
* Launching Amazon EC2 cloud instances using Amazon Web Services (Linux/RHEL/Ubuntu) and configuring launched instances with respect to specific applications.
* Implemented monitors, alarms and notifications of production and corporate servers/storage using AWS CloudWatch.
* Manage and maintain a scalable, fault tolerant, high performing hosting infrastructure in AWS.

**HCL Technologies, Gurgaon Jan 2018 – Nov’18**

**Role: DevOps /AWS Engineer**

**Responsibilities:**

* Launching Amazon EC2 cloud instances using Amazon Web Services (Linux/RHEL/Ubuntu) and configuring launched instances with respect to specific applications.
* Implemented monitors, alarms and notifications of production and corporate servers/storage using AWS CloudWatch.
* Manage and maintain a scalable, fault tolerant, high performing hosting infrastructure in AWS.
* Working on monitoring tools like Nagios, Zabbix - Well versed in configuring Nagios and Zabbix monitoring tools in Unix environment.
* Responsible for monitoring the AWS instances and remove any vulnerabilities on Linux and Windows servers of AWS by updating the latest patch and troubleshoot the applications.
* Knowledge and experience of AWS pricing and commercial models and how to optimize for a given
* Engagement or use case.
* Set up monitoring of EC2, Amazon RDS, EBS volumes using CloudWatch Alarms, creating custom memory metrics and integrating it with Cloud watch.
* Experience with Windows and Linux systems in public clouds such as AWS.
* Migrate applications from on to cloud using AWS services like SMS, S3, Glacier, EC2, RDS, Cloud, VPC.
* Creating fully automated build and deployment infrastructure and processes for multiple projects using **Jenkins.**
* Developing scripts for build, deployment, maintenance and related tasks using Jenkins, Maven, Python and Bash Scripting

**Vlink India Pvt ltd, Gurgaon May’15 – Dec’2017**

**Client: - Vidikart, Gurgaon**

**Role:** DevOps Engineer

**Roles and responsibilities: -**

* Manage and maintain a scalable, fault tolerant, high performing hosting infrastructure in AWS.
* Working on monitoring tools like Nagios, Zabbix and HP OpenView - Well versed in configuring
* Nagios and Zabbix monitoring tools in Unix environment.
* responsible for monitoring the AWS instances and remove any vulnerabilities on Linux and Window
* servers of AWS by updating the latest patch and troubleshoot the applications
* Installation & configuration of MySQL, Apache & Jboss 7.1 on EC2 Instance.
* Creation of S3 bucket and attached it with EC2 Instance.
* Implementation of Cloud Front.
* Configuration of cloud front with magneto-based application.
* Creation of General Purpose and Provisioned IOPS Disk.
* Launching Amazon EC2 cloud instances using Amazon Web Services (Linux/RHEL/Ubuntu) and configuring launched instances with respect to specific applications.

**Client: - Companion-Wolters Kluwer, Gurgaon**

**Role:** DevOps Engineer

Environment: **Amazon Web Services (AWS)**

**Roles and responsibilities: -**

* set up Zabbix monitoring tool on aws instances under proxy with high availability.
* Involved in creation of EC2 Instances.
* Installation & configuration of MySQL, Apache & Jboss 7.1 on EC2 Instance.
* Creation of S3 bucket and attached it with EC2 Instance.
* Implementation of Cloud Front.
* Creation of General Purpose and Provisioned IOPS Disk.
* Launching Amazon EC2 cloud instances using Amazon Web Services (Linux/RHEL/Ubuntu) and configuring launched instances with respect to specific applications.

**One97 Communication Limited, Noida** **Duration: Nov’11 – Oct’14**

**Role:** Integrator Engineer

**Roles & Responsibilities: -**

* Involved in creating clusters, nodes, node Manager for Oracle WebLogic Application Server.
* Implemented the Work Load Management using clustering.
* Created Clusters in WebLogic Network Deployment to support high availability, fail over and implemented horizontal clustering.
* Troubleshooting day to day problems.
* Monitoring WebLogic server health on daily basis.
* Checking server health including memory, cpu & disk usages on daily basis.
* Monitoring memory heap & thread dumps whenever needed
* **Automate** various production level Monitoring Windows, businesses or technical reports.
* **Developed various scripts** to fetch and analyze the data quickly.