**Nitin Nagpal**

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**SUMMARY**

* Passionate and seasoned Devops professional with 6+ years of experience in Enterprise Application development.
* Proven ability of transforming a completely manual process of build and deployment into a fully automated one.
* Expertise in quality development practices and in pursuing innovative ways to build and deploy software.
* Develop dashboards and monitoring tools by working effectively with Cross Vertical Teams.
* Prepare a detailed root cause analysis report for various repeated issues in the environment and come up with the pattern analysis to develop permanent fix to overcome the same.

**TECHNICAL SKILLS**

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| **Scripting Languages**  **Framework** | Bash  SpringBoot,NodeJs,Raptor,Angular,React,Dot Net |
| **CICD** | Jenkins,Tekton |
| **Container Storage** | Portworx, StorageOS, OpenEBS |
| **Automation Framework** | Docker, Vagrant, Ansible |
| **System Monitoring** | Nagios |
| **Log Monitoring**  **Service Mesh**  **Access Management Tool** | Prometheous, EFK, Grafana  Istio Service Mesh, Linkerd  Keycloak |
| **Automation Testing** | Selenium, Unit Testing, Jmeter |
| **Server** | Apache, Nginx, Tomcat |
| **Version Control** | Git, Bitbucket, Gitlab |
| **Methodologies** | Agile, Waterfall |
| **Databases** | MySQL, Postgres, Oracle , Elastic, Hbase, Redis |
| **Exchange Server Knowledge** | Creating and managing Distribution List and Mailboxes, creating  Email account and managing email account, enabling user over  Lync |
| **Windows Server Knowledge** | Managing user accounts over Active directory. Creating user  account and groups in various domains, Granting various group  Access and VPN access. Managing servers C drive or Memory  Alerts |
| **Container Orchestrator**  **Cloud Infra**  **Multi Cloud Management** | Docker Swarm, DCOS Mesos, Kubernetes, RedHat Openshift  IBM Cloud, Azure Devops,AWS  MCM (Multi Cloud Management), Google Anthos, Tanzo |

**PROFESSIONAL SUMMARY**

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| **Organization**: **Larsen & Toubro Infotech** | **Job Title:** Senior Cloud Devops Consultant |
| Project:- Cloud Native Practice |  |
| **Domain**: DevOps Advisory Role | **Duration** ( Jun 2021 – Till Date ) |
| **Tools & Technologies**: GitHub/Gitlab, Nginx, Httpd, Docker, Kubernetes, Istio, Nagios, EFK, Prometheous, Ansible, Jenkins, NLB, Minio, Telemetry, Keycloak, Kaili, Zabbix, Gateway, Redis, Openshift, IBM Cloud, Openshift Pipelines, MultiCloudManagement. Google Anthos, Tanzo  **Project Description**: CLD is an Cloud Native Practice team which deals with all niche domains and doing all advisory part and RFP work.  **Responsibilities**:-   * Defined processes for build & release related activities. * Defined best practices in terms of system setup and management. * Created various automation tools to effectively manage day to day build release activities. * Working on different RFP based on client requirements. * Cost optimization using Lambda function * Responsible for deployment in OpenShift using S2i ,DockerImage ,also managed the openshift project through console as well as through Openshift CLI. * Working with multiple clients for their infra and microservices level assessment. * Involved in Multiple migration from on-premise to Cloud. * Maintaining microservices in openshift environments. * Managing different operators in openshift .i.e. Jenkins / Prometheus * Working on Multi Cloud Management tool of IBM Cloud Pak & google Anthos. * Managing assessment reports for multiple clients for migration (assessing application and infra) * Involving in Devops Advisory Management. * End to End Application deployment from scratch. * Working on end to end architecture of application flow. * Managing Openshift Environments with microservices deployment. * Managing inbuilt Operator and Custom Based operator. | |

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| **Organization**: XEBIA IT Architect | **Job Title:** Senior Cloud DevOps Consultant |
| Project:- Yes Bank Pvt. Ltd. |  |
| **Domain**: Platform/Devops(Yes Bank) | **Duration** ( Jan 2020 – Jun 2021 ) |
| **Tools & Technologies**: GitHub/Gitlab, Nginx, Httpd, Docker, Kubernetes, Istio, Nagios, EFK, Prometheous, Ansible, Jenkins, NLB, Minio, Telemetry, Keycloak, Kaili, Zabbix, Gateway, Redis, Azure, Openshift  **Project Description**: YES Bank Genie App Provide a crm based solution and all the setup on K8s Clusters.  **Responsibilities**:-   * Defined processes for build & release related activities. * Defined best practices in terms of system setup and management. * Created various automation tools to effectively manage day to day build release activities. * Converted the manual build and release process to fully automated process across dev, release, staging & production environments. * Worked on kubernetes upgrades and k8s cluster management. * Maintaining EFK Cluster and monitoring tools set i.e. zabbix & kaili & Nagios. * Maintaining Service mesh of istio across the clusters. * Automation of p12 secrets files through Jenkins. * Maintaining Deployment release strategies in k8s clusters. i.e. Rolling updates & Canary. * Ingress controller setup along with master merger concept. * Worked on ansible roles of etcd for k8s cluster disaster. * Managing Scripted/Declarative pipelines and deploying CICD across k8s cluster. * Managing canary version based deployment and traffic across different version of applications. * Managing all deployments through helm charts across different environments. * Performed the upgrade on k8s cluster & EFK & Helm. * Creation of alerts on Kibana dashboards & Configuration of email alerts. * Managing TLS based methods across namespaces. i.e simple TLS & mutual TLS * Performing authorization based policy through Keycloak. * Automation of helm lint & helm template for CICD pipelines. * Managing git versioning through git init tag and keeping branching strategies. * Managing monitoring though Prometheus and grafana and Nagios and EFK. * Worked on k8s installation through kubespray. | |

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| **Organization**: Simpragma Solutions | **Job Title:** Senior Devops Engineer |
| Project:- Airtel Africa |  |
| **Domain**: Devops | **Duration** (March 2019 – Jan 2020) |
| **Tools & Technologies**: Bit bucket, Nginx, Httpd, Docker, Kubernetes, Nagios, EFK, Prometheus, Ansible, Jenkins, LB, Kong API Gateway, AWS  **Project Description**: Bharti Airtel Limited also known as Airtel is an Indian global Telecommunications services company based in Delhi, India. It operates in 20 countries across South Asia and Africa. Airtel provides GSM, 3G, 4GLTE mobile services, fixed line broadband and voice services depending Upon the country of operation.  **Responsibilities**:   * Managing container workloads using Kubernetes. * Prepare a detailed root cause analysis report for various repeated issues in the environment and come up with the pattern analysis to develop permanent fix to overcome the same. * Developing and maintaining CI/CD process for SaaS applications by accessing tools like Maven, Jenkins, etc. * Working in regulation with industry standard best practices in close coordination with integration and deployment team. * Manage AWS EC2 instances, utilizing Auto Scaling, Elastic Load Balancing and cloud watch for respective environments. * Build, Run and Test micro services on AWS and EKS. * Troubleshoot issues and engage respective teams to bring the issues to closure. * SCM Tool (Bit Bucket): Push, Commit, Merge, Code Review and Unlock related issues. * Automation of K8s Installation. * Managing K8s Cluster of 14 OPCO’s along with separate Postgress DB for each OPCO’s. * Implementation of K8s Dashboard based on user-based access. * Implementation of Persistent Volume across Pods of different clusters. * Namespace Bifurcation Implementation Based on testing environment. * Implementation of KONG API Gateway in each OPCO. * Creation of namespace and deploying the services. * Implemented health check in k8s microservices i.e. liveness/readiness. * Metrics Implementation for k8s servers. * Monitoring of k8s cluster through Prometheus and grafana. * Persistent storage configuration in k8s for microservices. * Jmeter testing for microservices. * Code management through bit bucket. * Implemented deployment strategies for k8s cluster. * SCM Tool (BitBucket): Push, Commit, Merge, Code Review and Unlock related issues. | |

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| **Organization**: Future Focus Infotech | **Job Title:** Senior System Engineer |
| Project:- NIO (TCS) |  |
| **Domain**: Platform Engineer | **Duration** (August 2018 till March 2019) |
| **Tools & Technologies**: Jenkins, Shell, Git, Maven, Tomcat, Mongo, GitHub, Nginx, Httpd, Docker, Kubernetes, Nagios, EFK, Prometheous, Ansible, Jenkins, LB, Data Centre Operating System, Portworx  **Project Description**: NIO is one of the largest China based car autonomous company. Platform support team is responsible for first level support in NIO Engineering Environment issues. Our team mainly focuses on increasing the developer productivity by effectively engaging them on their day to day Environment related issues. The support consists of all the phases in PDLC right from infrastructure management, build, deploy and Automation of repeated issues.  **Responsibilities**:   * Manage business relationships, application performance, and the identification and delivery of new and existing application services to meet the business users known and emerging needs. * Managing container workloads using Kubernetes. * Prepare a detailed root cause analysis report for various repeated issues in the environment and come up with the pattern analysis to develop permanent fix to overcome the same. * Handling DCOS environment task. * Handling automation for Portworx and volume management. * Troubleshoot issues and engage respective teams to bring the issues to closure. * SCM Tool (GIT): Push, Commit, Merge, Code Review and Unlock related issues. * Automation of edgelb & Portworx Upgarde. * Creation of namespace and deploying the services. | |

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| **Organization**: **HCL Technologies** | **Job Title:** **Analyst** |
| **Project #1** : LPL Financials | **Job Role:** Network Analyst with Linux Skills |
| **Domain**: Networking and Linux | **Duration** ( February 2016 to July 2016) |
| **Tools & Technologies**: Environment - RHEL 6, 7, Shell, Router, Switches  **Project Description**: LPL Financial LLC (commonly referred to as LPL Financial) is the second largest independent broker-dealer in the United States.  **Responsibilities**:   * Working in ITIL based environment which includes incident & problem management * Configuration of Routing Protocols: – STATIC, RIP, EIGRP, OSPF * Extensive Knowledge of NAT & PAT * Setup of Layer 2 Switching & STP * Managing Network for Linux system * Extending file system using LVM * Managing Asymmetric and Symmetric SSH Authentication * Creating Soft Link and Hard Link for files * Managing ACL permissions on files and groups * Monitoring and managing Linux processes * Monitoring and managing Tasks and Jobs * Accessing Network storage with Network File system (NFS) * Implementing LAN and WAN Connections Using SWITCHES and ROUTERS. | |

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| **Organization: HCL Technologies** | **Job Title: Analyst** |
| **Project #2** : NGDC – Unix (Data Center) | **Job Role:** R & D Engg - Practice Team |
| **Domain**: Devops | **Duration** (July 2016 – March 2017) |
| **Tools & Technologies**: Docker, Portainer, Oracle Virtual Box, Putty, Mesos DCOS, CICD tools  **Project Description**: It is an In- House Development Team for HCL Technologies. It basically so (R & D) for all Niche Technologies (Docker & Mesos DCOS). It creates all the test cases of that technologies.  **Responsibilities**:   * Docker:   ▪ Works on Docker CE, Basic, & DOCKER EE (Enterprise Edition)  ▪ Deploying container where system is constrained to existing  applications and infrastructure  ▪ Working on container technology (Docker) to create reusable and  Portable environments for DEV.  ▪ Initialized Swarm mode to orchestrate Data Center  ▪ Installed UCP to manage nodes & images  ▪ Created Local Repository (DTR)  ▪ Push & Pull Images from DTR &Docker Hub  ▪ Launch Multi-container using Docker compose.  ▪ Building own Network & labeling   * Mesos – DCOS   ▪ GUI and CLI Installation of Mesosphere DCOS  ▪ Advanced Installation of DCOS Mesosphere DCOS  ▪ Have worked on setup Mesosphere(DCOS)  ▪ Managing Health of various components of DCOS  ▪ Maintaining Health of Application and services | |

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| **Organisation: HCL Technologies** | **Job Title: Analyst** |
| **Project #3** : PayPal India | **Job Role:** Development & Operation Engineer–Frontline Operations |
| **Domain**: Devops | **Duration** (March 2017 to August 2018) |
| **Tools & Technologies**: Jenkins, Shell, Git, Maven, Tomcat, Mongo, GitHub, Nginx, Httpd, Docker, Mesos, Containers, Nexus, GCP, Puppet  **Project Description**: Frontline team is responsible for first level support in PayPal Engineering  Environment issues. Our team mainly focuses on increasing the developer productivity by effectively engaging them on their day to day Environment related issues.  **Responsibilities**:   * Resolving various issues in build and deployment areas in QA/Dev Environment * Develop dashboards and monitoring tools by working effectively with Cross Vertical Teams * Prepare a detailed root cause analysis report for various repeated issues in the environment and come up with the pattern analysis to develop permanent fix to overcome the same * CI Tool (Jenkins): Hands on experience in continuous integration set- up and troubleshooting build and deploy failures * Create stage instances in GCP and assist users to resolve environment related issues in stages. * Troubleshoot issues and engage respective teams to bring the issues to closure * SCM Tool (GIT): Push, Commit, Merge, Code Review and Unlock related issues Addressed trouble ticket requests in on-call rotation | |

**Professional Certifications:**

* CCNA (Switching and Routing)
* Certified with Docker Technical Sales Professional.
* Certified with Docker Sales Professional.
* Certified Kubernetes Administrator (CKA)
* Certified Red Hat Service Mesh Specialist

**Education Qualifications:**

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| **Degree** | **Name of the Institute** | **University/ Board** | **Year of Completion** | **%** |
| B.Tech  (   (Electronics and Communication) | Gurgaon Institute of Technology and Management ,Gurgaon | Maharishi Dayanand University | 2014 | 65.3% |
| AISSCE | Daffodils Public School, Fatehabad, Haryana | C.B.S.E. | 2010 | 76.6% |
| AISSE | S.V.M. High School | H.B.S.E. | 2008 | 89% |

**Commitment & Declaration:**

I commit that I will work to the best of my ability for welfare of the company.  I hereby declare that the information furnished above is true to best of my knowledge.