

**WEBSITE**  
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## Objective

Seeking a challenging and varied DevOps Engineer(Linux, Docker, AWS, & CI/CD) position requiring new and creative applications of technology to solve functional problems.

## Experience (4.8 Yrs)

### Happay (DevOps Engineer)

**October 2017 – Present**

- **Tech Stack** - Python Django REST framework, ReactJS, Celery, Celery Beat.
- **AWS services** – EC2, VPC, IAM, RDS(Postgres), DMS, Cloudwatch, Cloudformation, Elasticsearch, ElastiCache, S3, Cloudfront, Route53, ElasticBeanstalk, ECS, ECR, Glacier, EFS.
- **Source code/data** - Bitbucket, Github, Dockerhub, AWS ECR, Metabase, Cloudformation.
- **CI/CD** – Jenkins, TravisCI.
- **Logging & Monitoring** - Cloudwatch, NewRelic, Logentries, ELK, UptimeRobot.
- **RescueBase** - Linux, Docker, Bash, Jenkins, Python.
- **Fun** - Kubernetes, Jekyll, Github, Go.

### Hashedin Technologies (DevOps Engineer)

**June 2016 – October 2017**

- **Deployment** - Docker (engine|compose|swarm|machine), AWS EB multi-container, Ansible & Jenkins pipeline.
- **Load balancing** - HAProxy, Nginx, ELB.
- **Web/App Servers** - Nginx, Unicorn, Apache.
- **Tools & Processes** - Beanstalkapp, JIRA, Jenkins.
- **Others** - Linux, Shell scripting, New Relic, Logentries, Gatling, AB.
- Deploying full application stack using docker compose containing app, reverse proxy, load balancer, monitoring, logging, logrotation containers/microservices.
- Automated/Dynamic scaling of application containers from 1 to N.
- Implemented docker swarm multi host deployments of microservices in production.
- Following docker best practices.
- Perf tests & Benchmarking using Gatling, AB, Pylint & Fabric.
- Implementing Jenkins pipeline & job as a code.
- Implementing Rollback strategies for docker swarm applications in production.

- Created generic ansible script using docker & docker compose to deploy Jenkins.
- Improved SSL (Grade A on sslabs.com).
- Migrating AWS applications using services like S3,RDS, & DMS.
- AWS Certified Solutions Architect Associate.
- AWS Certified SysOps Administrator Associate.

## **NTT DATA Global Delivery Services**

**June 2015 – June 2016**

- Configuration & management of network authentication protocol 'kerberos' for excess security & providing single sign on by integrating GSSAPI with services like SSH etc .
- Configuration of HA-proxy providing High Availability & load balancing for web & database servers. Using apache mod\_proxy providing simple request redirection from DMZ to backend servers in a private network for further security.
- Configuration of NFS server with autofs for automatic mounting & unmounting, effectively used in mounting roaming users home directory on login.
- Knowledge of F5 & A10 Load Balancers.
- Configuration & management of Bind DNS server as primary/master and secondary/slave.Using cache & forwarder only configurations to decrease the response time .
- Knowledge and configuration of distributed filesystems like GlusterFS & AFS . Used GlusterFS in AWS EC2 for bootstrapping & autoscaling .
- Configuration and deployment of Apache HTTP & Apache tomcat server for Java applications providing high availability & load balancing using connectors.
- Hardening linux security & centralized logging by configuring kernel sysctl parameters, locking crons, fail2ban, IDS, maldet, rsyslog , logstash etc .
- Managing,customizing & recovery of Applications & kernel using chroot, e2fsck, menuconfig & fakeroot .
- Knowledge & configuration of centralized infrastructure management operating systems like Univention, Zentyal, ClearOS .
- Using Bash & Perl scripts for automating day to day tasks.

## **RayMn & BR Technologies Pvt. Ltd.**

**July 2013 – May 2015**

- Managing linux servers in private network and client's servers on different hostings like AWS, Linode, Hivelocity, DigitalOcean, Godaddy, Hostgator, Rackspace etc across the globe.
- Installation and configuration of VPS and dedicated servers with robust LAMP server optimized with Varnish, Memcached, php FastCGI, php memcache, MySQL Innodb.
- DNS and Web hosting management through Cpanel, WHM, Webmin, Virtualmin.
- Configuring Squid proxy & package server/cache management to increase efficiency of resources.
- Installation and configuration of OpenLDAP server with NFS and PAM(Pluggable Authentication Module).
- Configuring Kickstart, PXE/NetBoot, DHCP, NFS, TFTP, Samba & VNC servers.
- Configuration of Nagios, Observium, Zabbix, NRPE, Monit, NewRelic, Munin, Linodelongview programs for server monitoring.
- Installation and configuration of FTP,subversion, DenyHosts( bruteforce attacks),Maldet applications.
- Managing firewalls( iptables ), analyzing & removing security loopholes at user,LAN,DMZ & WAN levels,
- Installation and configuration of VPS and deploying Ruby on Rails and PHP applications on Amazon and Heroku/Openshift.

- URL manipulations and optimizations through htaccess with mod deflate and Gzip with apache.
- Writing efficient bash/shell scripts to monitor and automate activities & daily routine tasks.
- Regular endeavors to upgrade computer security & company infrastructure.

## Certifications

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AWS SysOps Administrator Associate  
AWS Solutions Architect Associate  
CCNA (Cisco Certified Network Associate)

## Education

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Bachelor of Technology in Computer Science	UPTU	70.1%	2009 - 2013
Higher Secondary Certificate	CBSE	79.4%	2009
Secondary School Certificate	CBSE	75.2%	2007

## Key Competencies

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Quick learner  
Easy adoption and implementation of new open source technologies  
Likes automation & troubleshooting  
Passionate

## Personal Details

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Gender : Male  
Date of Birth : 22<sup>nd</sup> Jan 1992  
Nationality : Indian  
Marital Status : Single  
Languages Known : English, Hindi, Punjabi  
Interests & Activities : Cricket, Internet, Technical books, Traveling

## Declaration

I hereby declare that all the information given in this document are true to the best of my knowledge and belief.

Date :  
Place :

VIVEK KUMAR