

# Ankit Chhabra



New Delhi



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## SKILLS

**OS:** Linux (RHEL, Centos, Debian, Ubuntu), Solaris, Windows, MacOS.

**Configuration Management Tools:** Ansible, JIRA, Puppet.

**Cloud Services:** AWS, Azure, Vmware, CloudWatch, CloudFormation.

**CI/CD Tools:** Jenkins, GitLab.

**Build Tools:** ANT, MAVEN.

**Programming Languages:** Python, Java, Bash Scripting.

**Versioning Control System:** GitHub, Bitbucket.

**Containerization Tools:** Docker, DockerSwarm, Kubernetes.

**Web Technologies:** HTML, XML, AWS, Apache Tomcat.

**Middleware Application:** Jboss EAP Application Server, Apache Tomcat.

**Database:** MongoDB, SQL, MySQL, Oracle, PostgreSQL, SqL3.

**Monitoring:** Nagios, Grafana, Java Melody, Pgbadger, Munin, Solarwinds, Netcool, Opsgenie, Pingdom, Site24x7, Cloudwatch

**Bug Tracking:** Remedy, Bugzilla, OTRS, Openproject.

## TRAINING & CERTIFICATIONS

RHCSE Certification

RHCE Certification

AWS (Solution Architecture)

IOT

ITIL

ISO 27001 security

AWS Cloud Security Specialist

## LANGUAGES

Hindi

English

## EDUCATION

B-Tech (CS)

MDU, Rohtak 2011

HSC

CBSE 2007

SSC

CBSE 2004

## PROFESSIONAL PROFILE

- Around 12+ years of Professional experience in IT industry comprising of Design, Development and Cloud, DevOps Implementation, AWS, CI (Continuous Integration) CD (Continuous Delivery), all within that-suites the needs of an environment under DevOps Culture.
- Good Understanding in Cloudflare technologies like DNS, CDN, Pagerules, R2, Workers etc.
- Experience as DevOps Engineer, proficient in Jenkins, AWS, Docker, Splunk and GIT. Experienced in Administration/Maintenance of source control management systems.
- Proficient in Jenkins for Continuous Integration and End-to-End automation for all builds and deployments.
- Worked in various Amazon Web Services which includes EC2, Elastic Load Balancer, Auto Scaling, VPC, Security Groups, NAT, NACL, IAM, Glacier, EFS, AWS Kinesis, Lambda, Cloud Formation, Cloud Front, Cloud Watch, Cloud Trail, Elastic Beanstalk, Elastic Cache, RDS, API Gateway, S3, EBS, RDS, ELB, Route 53, SNS, SES, SQS, Greengrass etc.
- Experiences in Configuration, SCM, Build/Release Management, Infrastructure as a code (IAC) and as DevOps operations Production and cross platform environments.
- Experienced with container-based deployments using Docker, working with Docker images, Docker Hub, Docker registries and Kubernetes.
- Worked on Raspberry Pi3, Arduino Mega(ATMega2560), ESP8266 NodeMcu, Wifi-ESP01, Bluetooth-HC05, IP Proximity Sensor, Analog Temp sensor(LM35), IP Proximity sensor.
- Experience with a large variety of applications on Vas products such as FNT, CRBT, CH99.
- Knowledge of Application Lifecycle Management, Change & Release Management, ITIL process and ISO 27001 security.
- Working knowledge of M2M and IoT industry standards, reference architectures, protocols, products/platforms and vendors.
- Extensive experience in technology consulting, client portfolio assessment, strategy / roadmap definition, improvising DevOps coverage and quality, cost avoidance / optimization and make recommendations for achieving targeted results for clients.

## WORK EXPERIENCE

Oct 2021 – Present

**MPS Limited (Noida)**

Manager

**Project: Highwirepress**

- Design and build systems that are scalable, robust, automatic with least human touch to support and operate. Also experience in AWS Migration Service (MGN).
- Working experience in Cloudflare and Build new applications on our serverless platform using workers. Also having experience in IPAM, Harbor registry, A10 and River Bed LB.
- Assisted with and designed security oversight of next-generation firewalls, intrusion prevention systems, DDoS Solutions, SSI-terminating load balancers, WAF, Security groups and NACL.
- Implemented Ansible to manage all existing servers and automate the build/configuration of new servers also Building/maintaining Docker container clusters managed by Kubernetes, bash, GIT, Docker on AWS. Utilized Kubernetes and Docker for the runtime environment of the CI/CD system to build, test deploy.
- Implemented AWS solutions using E2C, S3, RDS, EBS, Elastic Load Balancer and Auto scaling groups.
- Experience with container-based deployments using Docker, working with Docker images, Docker Hub and Docker-registries and Kubernetes.
- Expertise in POSTGRESQL, SQL3 Server management, Replication, Foreign Data Wrapper, DBlinks.

Jan 2018 – Oct 2021

**Velocis Systems Pvt Ltd. (New Delhi)**

Project Manager

**Project: eHRMS(NIC)**

- Involved in designing and deploying a multitude of applications utilizing almost all the AWS stack including EC2, Route53, S3, RDS, Dynamo DB, SNS, SQS, focusing on high-availability, fault tolerance and auto-scaling.
- Developed strategy for cloud/virtualization migration and implementation best practices.
- Used Kubernetes to deploy scale, load balance, scale and manage docker containers with multiple namespace versions.
- Build/Maintained Docker container clusters managed by Kubernetes, Linux, Bash, GIT, Docker, Utilized Kubernetes and Docker for the runtime environment of the CI/CD system to build, test deploy.
- Designing and deploying dynamically scalable, available, fault-tolerant, and reliable applications on the Cloud and implementing cost-control strategies.
- Creating/versioning/testing of scripts Bash, Nagios, Maven/Ant, Git, Jenkins and Python to achieve high level of automation.
- Proficiency and expertise in POSTGRSQL Server Replication, Foreign Data Wrapper. DBlinks, Backup/Recovery, Disaster recovery planning and Security Management.
- Demonstrable experience with developer tools like Code Deploy, Code Build, Code Pipeline, design the overall Virtual Private Cloud VPC environment including server instance, storage instances, subnets, high availability zones, etc.
- Created Containers in Docker and configure SSL certificates for web, database. Experience includes creation of CSR certificates, verification using OpenSSL tool.
- Understand business challenges, translate them into technical solutions and provide leadership during the analysis, design and build.
- Used CI/CD tools Jenkins, Git/Gitlabs, Jira and Docker registry/daemon for configuration management and automation using Ansible.
- Experience of resolving the Linux OS vulnerabilities and knowledge of Nessus Agent installation, configuration and knowledge of Penetration Testing Tools: Nmap, Wireshark.

## PERSONAL INFORMATION

### Birthday

August 23, 1987

### Gender

Male

### Nationality

Indian

Sept 2015 – Nov 2017

**HCL Technologies (Noida)**

Specialist - Linux

#### **Project: E-TRADE(Finance and Banking)**

- Created users and groups using IAM and assigned individual policies to each group.
- Creating S3 backups using versioning enable and moved objects to Amazon Glacier for archiving purpose.
- Using cloud watch for monitoring, created load balancers and AMI images and performed all Linux systems disk management and Patch management configuration on EC2 instances.
- Designed roles and groups for users and resources using AWS Identity Access Management (IAM) and also managed network security using Security Groups, and IAM.
- Optimized volumes and EC2 instances & Created multi AZ VPC instance.
- Create custom sized VPC, subnets, NAT to ensure successful deployment of Web applications and database templates.
- Used security groups, network ACLs, Internet Gateways, NAT instances and Route tables to ensure a secure zone for organizations in AWS Public Cloud.

#### **Project:-Novartis-TSM &TDP client up gradation**

- Creating the CRQ's as per the client requirement.
- Followed the Novartis WI for upgrading the TSM & TDP client on all the servers.(Linux, AIX).
- Upgrading the TSM client on all non-db and TDP client on all db servers like Linux, AIX and Solaris servers and also increasing the ulimit on all UNIX servers.
- Knowledge of all the major clients (API and BA) which are used in TSM client installation.
- Worked with storage team to setup the 'TSM Schedules' for all the servers and troubleshoot the issue if any of the servers was missing backup.

#### **Project:-Novartis- Provisioning &Decommissioning**

- Working on WO and tasks related to build and decommissioning the servers.
- Building all the Linux physical and virtual servers as per Novartis WI and worked on Vcentre server virtualization.
- Taking the follow up with window and Backup teams before decommissioning the server through mail and update same in CRQs.

Jan 2015 – Aug 2015

**Flexisit Pvt Ltd. (Delhi)**

Specialist – Linux Administrator

#### **Project: Logicnow –US**

- Performed scripting on shell to automate administrative tasks.
- Installing software, patching, upgrading and maintenance of operating system.
- Writing/modifying programs in different scripting language to automate daily activities.
- Provided online Support to US client regarding different servers like Redhat, Centos and Ubuntu.
- Worked on Monitoring tools such as Solarwinds, Remote MAX management and Monitis.
- Working knowledge of Jira and various ChatRooms like Flowdock and Lync.

April 2012 – Dec 2014

**Mcarbon Tech Innovation Pvt Ltd. (Noida)**

Specialist – Technical Support Engineer

#### **Project:- Airtel /Aircel/Tata- Loan& CRBT**

- Maintaining server health checkups and update systems according to defined SLA's.
- Performed scripting on shell for monitoring and scheduling the jobs.
- Handling different kind of SQL database related issues with the help of SQL queries.
- Maintaining the FNT (First Name Tune) metadata and provide clips to On Mobile Team.
- Maintaining MIS for planned and unplanned events with RCA, Incidents logged on TIPPS and CRM tools for prepaid and postpaid MDN.

Oct 2011 – Mar 2012

**Anand Book Distributors (Delhi)**

Specialist – Support Engineer(Linux)

#### **Project:- Web-Magazine**

- Perform 1st level fault diagnosis and rectification on all systems. System Monitoring of Heavy Disk I/Os, CPU Utilization and Load on each server.
- Scheduling Cron Job to automate tasks. Respond to escalated Customer Network Faults.
- Provided technical support for end-user customers, diagnosed and resolved the network problems

I hereby declare that all the above furnished details are true to the best of my knowledge and belief.

**Date:**

**Ankit Chhabra**