**MD SHAHNAWAZ KHAN**

**AWS Cloud Engineer | DevOps Engineer | Linux Administrator**

A dynamic and driven cloud engineer with a keen eye for emerging technology. Over 8 years of proven expertise in server management, systems integration, API design, program development, and database migration. A natural leader with high customer centricity.

Email: [khan786shahnawaz@gmail.com](mailto:khan786shahnawaz@gmail.com) |Mobile: +91-7827484999 | Location: Noida

Social: <https://www.linkedin.com/in/mdshahnawazkhan/>



**Profile Summary**

* Extensive knowledge of AWS cloud infrastructure and management with Jenkins integration and Kubernetes docker orchestration.
* Adept at server configuration using Ansible & Puppet; and leveraging load balancing tools such as HAProxy, LB, and ProxySQL.
* Proficient in monitoring systems using Zabbix and New Relic while engaging ELK for log monitoring.
* Expert in managing MySQL and MongoDB databases; configuring web servers using Apache, Nginx, and mod\_wsgi; running Tomcat application server; and writing Perl and Python scripts for automation.
* In-depth exposure to RHEL and CentOS (6/7) operating systems; Kernel modules and Kernel Parameter for server tuning; and security services such as Firewalls, SELinux, and TCPwrappers.





**Technical Skills**

AWS |Terraform| Jenkins | Kubernetes | HAProxy | LB | ProxySQL | Docker | Ansible | Puppet | Python | Shell |

Zabbix | New Relic | ELK | Apache | Nginx | MySQL | MongoDB | InnoDB | MyISAM | Tomcat | Git | Jira | Red Hat Hypervisor | VMWare | Xen | Redis | Aerospike | RabbitMQ | UNIX | Linux





**Professional Experience**

**AWS Cloud Engineer and Database Administrator | Infoedge (India) Ltd. | Noida**

Nov ’17 onwards

* Deploying the full app stack at AWS infrastructure for Disaster recovery.
* Installation and configuration of RHEL 5.5 to 5.7.
* Configured, installed, and troubleshot LAMP (Linux, Apache, MySQL, PHP) software in Linux environment.
* Optimizing server performance and security using kernel parameters.
* Installation and configuration of MySQL on UNIX platform.
* Capacity planning, performance optimization, monitoring backup and recovery of MySQL, InnoDB, MyISAM, and MongoDB databases.
* Implementing containerization over Development/ QA/ Production setup for node and java services.
* Automating tasks by leveraging Capistrano, GitLab, Python, and Bash scripting.
* Managing traffic distribution through implementation of proxySQL and keepalived.
* Performing root cause analysis (RCA) to diagnose and resolve slow-running queries.
* Configuring of MongoDB replica and shards along with managing Aerospike, Redis, and RabbitMQ.



**Lead Engineer Technical Operations | Infoedge (India) Ltd. | Noida**

Apr ’17 – Nov ‘17

* Developed Puppet and Ansible modules deployed with Jenkins to manage and automate the install process.
* Generated Shell and Python scripts for build activities and automation tasks.
* Installed Tomcat server, configured mod\_jk module, and managed Tomcat load balancing.
* Managed queuing and caching using RabbitMQ, Redis sentinel, and Memcache.
* Responsible for installation and configuration of services such as DNS, FTP, NFS, SSH, Samba, Apache Web Server, and HTTP.
* Configured and monitored application services and infrastructure using Zabbix and New Relic production servers.
* Responsible for log management using Filebeat with Elasticsearch, Logstash, and Kibana.
* Leveraged best practices in Software Configuration Management (SCM) processes to install and configure Subversion (SVN) on Linux platform.
* Managed client experience through timely ticket resolutions and job automation for alert recovery and roll backs.



**Senior System Administrator | Infoedge (India) Ltd. | Noida**

Oct ’15 – Mar ‘17

* Developed a simple One Click setup using Ansible for QA environment.
* Managed the migration from local directory to AWS cloud.
* Maintained user accounts, Route 53 services in AWS cloud.
* Implemented Jenkins to automate Build and Deploy tasks.
* Implemented multiple parallel builds for Database replication using Master-master and Master-slave configurations.



**System Administrator | Infoedge (India) Ltd. | Noida**

Oct ’14 – Oct ‘15

* Responsible for log consolidation, reporting, and parsing using ELK stack.
* Responsible for monitoring server uptime, disk, memory, services, MySQL Replication and troubleshoot issues pertaining to Apache, Nginx, PHP, and MySQL.
* Managed MySQL database service and provided high-end technical support.
* Leveraged Docker containers for script automation to spin test application tomcat servers for load.



**NOC Engineer | Jabong.com | Gurgram**

Jul ’13 – Sep ‘14

* Configured and leveraged Nagios tool to monitor Ubuntu and Redhat server alerts.
* Troubleshot and monitored website performance using New Relic.
* Primary SPOC for providing technical client support and ensured optimal running of applications.
* Managed database upgrade and MySQL backups



**Education, Certifications, Awards**

Bachelor of Science (Information Technology) | Sikkim Manipal University.

Red Hat Certified Engineer (RHCE).