

Sahil Kataria

AWS Certified

DevOps Engineer

21/06/1989

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SUMMARY

I am a Full Time Freelancer Working as Linux Server Admin with 8+ years of hands-on experience in architecture and optimizing deployment over Small to Large infrastructure. I am Certified as AWS Certified Solution Architect- Associate and Red Hat Certified Engineer. I Worked with Multi Cloud Architecture including AWS, GCP, Azure DigitalOcean and many more. I am flexible to adapt to new environments and able to learn different technologies. As Devops Implementation of Auto Build and Release Engineer

EDUCATION

2012-14	Govt. Engineering College Bikaner,Bikaner	70%	M.Tech.(SE)
2006-10	Govt. Engineering College Bikaner,Bikaner	73.84%	B.Tech (CSE)
2006	Sh. N. M. C. Se. Sec. School,Hanumangarh,Raj.	79.67%	Class XII
2004	Sh. N. M. C. Se. Sec. School,Hanumangarh,Raj.	73%	Class X

RESEARCH PAPER & PUBLICATION

- A paper titled “PDAC(Parallel Encryption with Digit Arithmetic of Cover Text) Based Text Steganography” is **Published** and **Presented** in “Fourth International Conference on Advances in Computer Science-AETACS2013”.
- A paper titled “An Efficient Text Steganography using Digit Arithmetic” is **Published** and **Presented** in “Fourth International Conference on Advances in Computer Science-AETACS2013”.
- A paper titled “ECR(Encryption with Cover Text and Reordering) Based Text Steganography” is **Published** and **Presented** in “2013 IEEE Second International Conference on Image Information Processing”.
- A paper titled “A Hybrid Approach for Characters Recognition in License plate Recognition System” is **Published** in “Fourth International Conference on Advances in Computer Science-AETACS2013”.
- A paper titled “A Steganography Algorithm for Hiding Secret Message inside Image using Random Key” is **Published** in “In **International Journal of Engineering Research and Technology(IJERT)**, Volume. 3, Issue. 12 , December - 2014”.

DISSERTATION

- ❖ Designed a Technique named “PDAC (Parallel Encryption with Digit Arithmetic of Cover Text) and Reordering Based Text Steganography” for Final Thesis Report.

TECHNICAL PROFICIENCY & EXPERTISE

- ❖ Web Stack - Apache, Nginx, Litespeed, Php-fpm
- ❖ Database Stack - Mysql , Mariadb , Mongodb , Postgresql
- ❖ Mail Server - Postfix, Exim , Sendmail
- ❖ DevOps - Docker, Ansible, Jenkins , Bitbucket Pipelines and Sound knowledge on Kubernetes
- ❖ Bash Scripting
- ❖ Security - SSL , Firewall , Malware Protection
- ❖ Code Management - Github, Bitbucket
- ❖ WebHosting - Cpanel , Plesk, Virtualmin, Directadmin
- ❖ Multi Cloud Server Management - AWS, GCP , Azure and many more

PROFESSIONAL EXPERIENCE

Freelancer

Remote System & DevOps Engineer Feb 2012 - Present

I am Working as a Full time Freelancer to remotely manage clients servers all over the world. I provide 24x7 Support and availability.

I managed to help 200+ Clients all over the world with their different applications and Cloud servers

- ❖ Provisioned 500+ Servers with Small/Mid/Large Scale Web Applications with multi Cloud Platform
- ❖ Built and Deployed Docker Containers for Implementing Microservices
- ❖ AWS Services Administration IAM ,Route 53, EC2 , S3, RDS, Cloudwatch, Cloudfront , Autoscaling, Load Balancer, VPC, SES, AWS CLI
- ❖ Azure Services Administration VM, Storage Blob, CDN , Container Registry, User & Roles , Networking , Web App, Azure CLI, DNS
- ❖ DigitalOcean Services Administration Droplet, Managed Database , Spaces, DNS , Kubernetes, Doct CLI
- ❖ Managed Servers and applications with in Google Cloud , Godaddy , Hostgator, Rackspace and many other Cloud Providers
- ❖ Installing and Managing various Monitoring tools such as Zabbix , Nagios
- ❖ Web Stack setup Apache, Litespeed, Nginx, Php-fpm
- ❖ Database Stack setup Mysql , Mariadb, Postgresql , Mongodb
- ❖ Caching Mechanism for Optimizing Web applications with Varnish , Redis, Memcache, OpCache, Pagespeed
- ❖ Experienced in DNS
- ❖ Experienced working with Ticket Management system Slack , Erp , Trello , Jira
- ❖ Helped Customers to Optimizing their Infrastructure Cost
- ❖ Helped Customers to autoscale their infrastructure with High Availability
- ❖ Jenkins and Bitbucket Pipelines to automate the Build and Deployment phase
- ❖ Scripting - Bash Shell Script to automate services

- ❖ Worked with Server Security with CSF, UFW Firewall , Iptables, Malware Protection and SSL Protection on Web sites
- ❖ Manage Mail servers with Exim , Postfix, Sendmail
- ❖ Experienced in Web Hosting for managing multiple sites with WHM / Plesk Panel and some Open Source Panel (Webmin, Directadmin)
- ❖ Troubleshoot and Resolving Servers Issues
- ❖ Worked with Cloudflare for DNS management and CDN Service
- ❖ Managing different Web applications based on Magento , Drupal , Joomla, Wordpress, Core PHP, Angular, Nodejs

STRAYOS , USA (<http://strayos.com>)

DevOps Engineer Aug 2017 - Present

I helped for migration Infrastructure between two Cloud Providers. Helped in Optimizing cost and Parallel data processing to save their client time for processing. Also Design and Implement Complete start to end Infrastructure and deployment strategy.

- ❖ Developing & Implementing Bitbucket Pipelines for auto build and Deployment
- ❖ Maintained Bitbucket workflow for version control system and deployment.
- ❖ Setup and managing OpenDronemap tool for Image Processing with different versions
- ❖ Provisioned Servers in Microsoft Azure, Google Cloud, Aws, DigitalOcean and deployed features using Ansible
- ❖ Design , Implement and Manage Microsoft Azure Infrastructure with Cost Optimization
- ❖ Help Optimizing Cost by more than 50%
- ❖ Web Stack Apache, Postgresql to manage Angular and Rails Applications
- ❖ Server Orchestration using AWS CLI , Azure CLI , DigitalOcean CLI and Google Cloud CLI
- ❖ Setup Dev Environment for developers to deploy code automatically
- ❖ Worked with Postgresql Database to manage client data
- ❖ Troubleshoot and Resolve Backend issues
- ❖ Migration of Web application and backend data
- ❖ User & Developers Support from Backend
- ❖ Experienced working with Slack and Trello Board for Ticket Management System

EMIZENTECH PVT LTD. , JAIPUR (<http://emizentech.com/>)

Remote Linux Server Admin Support Feb 2012 - Aug 2017

I was Providing Remote Support on IT-System including day-to-day operations, monitoring, Problem Solving for all Clients and Developers Issues. I was working from home and joining the Office Once a month for a few days.

- ❖ Provisioned On-Premise servers using Xen Server and VmWare ESxi for VPS Setup
- ❖ Web Stack Apache, Nginx, Php-fpm with SSL Security
- ❖ Database Stack Mysql , Mariadb
- ❖ Setup Monitoring tools Nagios to monitor 20+ servers

- ❖ Automate Backup policy using Bash Script
- ❖ Setup & Manage CMS Websites Wordpress, Joomla, Magento , Drupal
- ❖ Worked with DNS Management
- ❖ Optimization of Web Applications using Redis, Varnish Cache, Memcache, Pagespeed, Php-fpm and Apache Tuning
- ❖ Database and Server Tuning for high traffic sites
- ❖ Setup and Manage Mail servers Postfix, Exim, Sendmail
- ❖ Experienced in Web Hosting for managing multiple sites with WHM / Plesk Panel and some Open Source Panel (Webmin, Directadmin)
- ❖ Worked with AWS, Rackspace, Google Cloud Servers for managing Client servers

EPERIUM BUSINESS SOLUTION INDIA PVT. LTD.

System Administrator, Delhi Aug 2010 - Feb. 2012

I was mainly working as a System Engineer to help and manage Company In-House Servers. Help them to build an auto deployment strategy for time saving.

- ❖ Setup Jenkins for auto build and deployment to save all developers time to deploy that manually.
- ❖ Install and manage Openfire Chat system for Internal Team
- ❖ System administration of 10+ servers (Red Hat, Centos).
- ❖ Auto backup and restore data using bash scripting
- ❖ Install & Configure Nagios Monitoring tool
- ❖ Provisioning Servers with LAMP with Security SSL
- ❖ Configuring Bug reporting tool JIRA for internal Use

INTERSHOP COMMUNICATION (Eperium Business Solution India Client Side Germany)

<https://www.intershop.com/>

System Administrator, Germany June 2011 - Aug. 2011

- ❖ Automate the build Process and deployment on Linux Server
 - Automate the process of building of java based project in Linux Server Using Ant Script. Created ant script so that the whole process of building the project and then auto deploy on Linux server. Created a Git library which is used for auto deployment the target code on linux server after building.

CERTIFICATION

- System Administration skills in Linux. Red Hat Certified Engineer (**RHCE**)
- AWS Certified Solution Architect - Associate

Extra Curricular activities

- Qualified GATE 2012 and Achieved 91.67%ile in Computer Science.
- Educate the School children and teachers about OLPC with LUGB member.

Other Information

- I am conversant with *English, Hindi, and Punjabi*
- My hobbies includes
 - Believe in Teamwork
 - Sharing Knowledge
 - Accounting
 - Music

Permanant Address

Sahil Kataria s/o Mr. Vijay Kataria

New Abadi Ward No. 24 Street No. 2 Hanumangarh Town, Raj.(335513),India