Kuldeep Singh Azad
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Profile Summary -

Profile	**:** Male, 33, Married
Nationality	**:** Indian
Current Location	**:** Noida
Current Position	**:** Lead Consultant
Current Company	**:** Genpact India Pvt Ltd

Professional Summary :

Recognized for driving cross-functional collaboration and mentoring teams to deliver high availability, secure, and scalable infrastructure solutions.

Results-driven Lead Consultant with 13+ years of experience in Cloud Infrastructure, Linux Administration, and DevOps.

Proven expertise in designing and implementing enterprise scale solutions across AWS, RHEL, Oracle Linux, and Ubuntu environments.

Skilled in automation, migration, and security hardening with a strong focus on operational efficiency, compliance, and stakeholder collaboration

Work Experience and Roles & Responsibilities -

Genpact India Pvt. Ltd. : **Lead Consultant (17th August 2020 to Present)**
(From 17th August 2020 to 4th March 2021 on payroll of Skilliantech India Pvt. Ltd. and onboard to Genpact on 5th March 2021)

- Developed and implemented custom solutions aligned with clients' strict technical and business requirements.
- Planned and prioritized multiple projects by aligning tasks with key milestones and critical deadlines.
- Identified areas of improvement and introduced optimized processes to reduce recurring operational issues.
- Collaborated with key stakeholders to analyze business challenges and deliver effective solutions.
- Designed, deployed, and troubleshot cloud infrastructure (AWS, GCP & Oracle Cloud), covering networking, Linux servers, and databases.
- Performed Linux system administration including patching, performance tuning, shell scripting, and security hardening.
- Delivered end-to-end infrastructure setup and monitoring at client sites, aligning with project requirements and SLAs.
- Implemented IT security policies across hybrid environments (on-premise and cloud) to strengthen cybersecurity posture.
- Led a team of Linux administrators, managing day-to-day operations and ensuring timely resolution of incidents.
- Oversaw resource management, shift scheduling, and workload distribution, optimizing team productivity and service coverage.
- Conducted quarterly team reviews, performance appraisals, and promotion processes, aligning individual growth with organizational objectives.
- Provided mentorship, training, and guidance to team members, improving technical capability and adherence to ITIL processes.
- Exposure to ITIL processes including Incident, Problem, and Change Management, ensuring structured IT service delivery and minimal business disruption.
- Monitored system performance, capacity, and availability; recommended and implemented upgrades to enhance scalability and reliability.

Led major OS upgrade and migration initiatives, including:

- Ubuntu 16 → Ubuntu 18/20/22
- Oracle Linux 7 → Oracle Linux 8 & RHEL 7 → RHEL 8 → RHEL 9 (via Leapp utility)
- CentOS → Oracle Linux (Migration)
- Managed Windows AD integration (Domain Join) on Linux servers.
- Implemented access control policies to allow/block unwanted users on AD-integrated Linux servers.
- Collaborated with the automation team to streamline OS patching and user access automation.
- Reviewed server hardening policies and shared compliance parameters with InfoSec for validation.

Cloud Infrastructure (AWS)
- Provisioned and decommissioned AWS EC2 instances, resizing instances and encrypting EBS volumes with Cmk
- Designed and deployed VPCs, subnets, security groups, and ACLs to meet customer requirements.
- Implemented S3 bucket policies, encryption, IAM policies, and managed secure data storage.
- Created Elastic Beanstalk environments, updated configurations, and provisioned SSL certificates via ACM.
- Configured ALB/NLB, target groups, auto scaling groups, and monitored traffic between load balancers and backend services (EC2, RDS, Elastic Beanstalk).
- Built and managed IAM users, groups, and secrets management following InfoSec guidelines.
- Extended/reduced EKS cluster nodes and ensured infrastructure availability for production workloads.
- Conducted quarterly DR testing for EC2, RDS, and Elastic Beanstalk environments.

System Administration
- Installed, supported, and troubleshot RHEL, Oracle Linux, and Ubuntu systems.
- Managed Change Requests (CRQs) for production servers patch management and configuration.
- Responded to InfoSec queries and provided compliance evidence for internal & external audits.
- Managed users, groups, sudo privileges, and file permissions.
- Configured and supported NFS, FTP, SSH, SFTP (chroot setup) and Samba.
- Performed filesystem/disk management (LVM, fdisk) and recovery from filesystem corruption or kernel panics.
- Automated recurring jobs (daily/weekly/hourly) as per production requirements.
- Monitored system processes, memory, and logs using : ps, top/btop, netstat etc.
- Supported PCS clustering, performing resource migration based on business needs.
- Collaborated with vendors to resolve OS and hardware incidents by logging support cases through to resolution.

Prakhar Software Solution project of **Election Commission of India : System Admin (Part of Middleware Team)**
(From 25th March 2019 to 15th August 2020.)
- Installed, supported, and troubleshot CentOS, RHEL, Ubuntu, and Windows systems.
- Performed OS patching, vulnerability fixes, migrations, and user/group administration.
- Configured and supported LAMP stack, NFS, FTP, SSH/SFTP (Chroot), Samba, and DHCP.
- Hosted PHP/Laravel applications and set up local development environments.
- Managed file systems, LVM, disk partitions, permissions, and access control.
- Configured and maintained MySQL/MariaDB Master–Slave replication.
- Implemented Nagios monitoring (server & nrpe) and scheduled cron jobs.
- Installed applications per developer requirements and analyzed logs/server status.
- Monitored server performance using top, netstat, ps.
- Administered HP Blade servers and Citrix XenCenter environments.

Agnisys Technology Pvt. Ltd. : System and Network Admin
(November 13th 2018 to 20th March 2019)
- Configured and managed switches, firewalls, and LAN/WAN connectivity.
- Administered Apache, NFS, SSH, Samba, DHCP, and user/group permissions.
- Managed file systems, SFTP accounts (with Chroot), and backups on a daily basis.
- Performed driver updates/rollbacks and coordinated with ISPs for leased line issues.
- Handled IT inventory, license management, cPanel, Webmail, and Outlook (.pst) backups.
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ABP Pvt. Ltd. On Payroll of IKYA Human Capital : It-Executive
(June 5th 2017 to November 12th 2018**)**
- Installed, configured, and maintained RHEL servers with Samba file services.
- Managed users, groups, permissions, disks, LVM, and hardware RAID.
- Monitored and optimized server performance, troubleshooting OS, network, and storage issues.
- Installed packages via RPM/YUM and administered LAN/WAN (wired/wireless).
- Provided remote support (VNC, RDP, TeamViewer) for branch and home users.
- Maintained Windows/Mac systems, updates, backups, and antivirus security.
- Supported video conferencing solutions (Polycom, Google Chromebox).

Extramarks Education India Pvt. Ltd. : It-Executive
(April 23rd 2012 to September 8th 2013 and November 18th 2013 to June 16th 2017)
- Installed operating systems and packages; configured and supported LAMP stack.
- Troubleshot hardware and OS issues, ensuring system stability.
- Managed users, file systems, permissions, and security policies.
- Handled system security, backups, and recovery for business continuity.
- Delivered on-site implementation, user training, and technical support.

Educational Qualifications :   **Degree**   **Board/University**

Duration

2014-16	MCA	Punjab Technical University
2007-2010	BCA (Gradation)	CCS University Meerut
2007	12th	UP Board Allahabad
2005	10th	UP Board Allahabad

Certifications :

- **Certificate ID : 170-124-937**   Red Hat Certified Engineer (RHCE)
  Red Hat Certified System Administrator (RHCSA)
- **Certificate ID C6B8PE126JFQ139K**   AWS Certified Cloud Practitioner
- **Certificate ID DE1P4J2CYE4QQWSJ**   AWS Certified Solutions Architect – Associate
- **Certificate ID 97MHTF814BR1QCK5**   AWS Certified SysOps Administrator – Associate
  - **Validate at -** *https://aws.amazon.com/verification*

Skills :

Programming Language	Shell and Python Scripting
Databases	MySQL & MariaDB
Operating System	RHEL, Oracle Linux, CentOs, Ubuntu and Windows
Tools	Docker, Kubernetes, Ansible, Terraform, git & github , Jenkins and Bugzilla
Monitoring Tools	Logic Monitor & Nagios
Patching & Automation	Manage Engine

Languages -

Hindi	Native
English	Intermediate

Hobbies and Interests

Googling, listening music, Reading books, Horse Riding and Bike Riding.

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