Saurabh Barjatiya – Resume

SUMMARY

- Experienced Linux system administrator with Programming, DevOps, Cloud, Security and Networking skill sets

- Over 10 years of experience in managing end-to-end IT infrastructure for different verticals - Education, Hospitals, Pharma, Government, Manufacturing, etc.

- Experience in working on multiple projects in parallel and guiding team members to achieve desired objectives

- Experience in end-to-end customer interaction including requirements, proposal, pricing, implementation and post-implementation support phases.

- Experience in running own private limited company while meeting required government compliances and norms for more than 5 years.

EMPLOYMENT HISTORY

2014 onwards	Managing Director, Rekall Software Pvt. Ltd.
	Technical Lead, Gowra Bits and Bytes Pvt. Ltd.
2013	SDE, Clipcard Technologies Pvt. Ltd.
2012-2013	Technical Architect, VLEAD
2009-2012	Lecturer, IIIT Hyderabad
2008-2009	Student System Administrator, IIIT Hyderabad

WORK EXPERIENCE

- **(Present)** I started 'Rekall Software Pvt. Ltd.' company for providing IT infrastructure services in 2014. Since its inception, most of the Rekall's work is being done as part of larger associated company 'Gowra Bits and Bytes' (GBB). GBB is much older company and has larger customer & partner base.

  With GBB I am working on technologies such as Virtualization (VMWare vSphere, vCenter, SRM, vSphere replication, NSX, VSAN, vRealize automation, etc.; Nutanix), Public Cloud (AWS, Azure, etc.), Open Source (Zimbra, Containers, DevOps, Clustering, etc.), Network (Switches, Firewalls, ADC, Wireless, etc.).

  Most of the projects being executed with GBB are turn-key. We take end-to-end responsibility of entire project from IT infrastructure point of view. Only domain specific applications or software development is out of our scope.

  At GBB I participate in various management decisions such as hiring, appraisals, costing for large projects, presenting about company to customers / OEMs, preparing long-term road-map for company etc.

- I had joined ClipCard Technologies Pvt. Ltd. (A OneOcean company) at its IDC in Hyderabad as SDE in July, 2013. My responsibilities at ClipCard included managing IT infrastructure located at ClipCard India office and online infrastructure hosted on AWS cloud. I also provided DevOps support for developers at both sites (Hyderabad and Seattle).

- I have worked at VLEAD (Virtual Labs Engineering and Architecture Division), Virtual labs project, IIIT Hyderabad as Technical Architect during October, 2012 to July, 2013. As a engineer at project I was responsible for designing and implementing a cloud infrastructure for hosting all virtual labs from central location. The project at the minimum required support for 300+ VMs for development of various labs.

  Hence as part of the project I was responsible for setting up something close to a private cloud. This included implementation of storage networks and virtualization stack which used both VMs (kvm) and containers (openVZ).

- I had joined IIIT Hyderabad, India as lecturer in July, 2009. I served as lecturer till October, 2012. As lecturer I taught courses like IT Workshop I, Software Technologies, Scripting and Computer Environment and offered labs for courses like System and Resource Virtualization and Advanced Computer Networks.

- I help in IT infrastructure management at IIIT Hyderabad. I coordinate configuration and maintenance of servers, network and security devices. I have managed high-end security devices, network devices (switches, routers, etc.) and servers.

  I have designed the current IP addressing scheme of IIIT Hyderabad. I have configured and provided support for virtualization, storage networks, VPN, Wake On LAN, centralized DHCP, DNS, apache virtual hosting, etc. I take part in many important meetings related to staff recruitment and decision making related to IT infrastructure.

  I also helped in various investigations and forensic analysis of security incidents which often involved recovering deleted files, determining point-of-entry for compromised systems based on command history or logs, etc.

- I volunteered as system and server administrator of VLSI lab during UG (2007-2008) and performed installation, configuration, administration and maintenance of Operating System and services on VLSI lab PCs. I was the only student of university who helped in managing labs.

  The work involved configuration and maintenance of NIS, NFS, HTTP, DNS and various other servers and clients. It also included maintenance of license servers for tools like Mentor Graphics and Cadence on both Sun Solaris and GNU/Linux systems.

SKILLS

Programming Languages :	Erlang, C, PHP, Shell script
Operating Systems:	Linux (All flavors), Windows
Tools:	Emacs (Org-mode), Kile (LaTeX), OpenOffice / MS Office, Wireshark
Network / Security Devices:	All major OEMS switches, router,firewall and wifi
Virtualization:	All platforms including VMWare, KVM, Nutanix
Linux Servers :	All main services such Email, Web, Proxy, Monitoring etc.
Cloud :	All main public cloud providers

INFRASTRUCTURE PROJECTS

- **Websites** (AWS) - I am managing multiple public facing websites on AWS such as:

  - https://www.gbb.co.in - Wordpress
  - https://mail.gbb.co.in - Zimbra

– https://www.sbarjatiya.com/notes_wiki - Mediawiki

since more than 10 years with necessary security hardening required for public facing sites.

- **Virtualization** (vRealize Suite) - I have deployed VMWare stack including vSphere, vCenter, SRM, vSphere replication, vRealize Automation, Log Insight and vRealize Operations for a state datacenter. The project also includes use of Trend Micro Deep Security Manager for all production workloads. After deployment I am supporting this critical state data-center since many years.

- **HCI** (vSAN and VxRail) - I have deployed ESXi and enabled vSAN on cluster. Necessary optimization such as enabling jumbo frames, use distributed switches, enable LACP at network switch end, enabling HA, enabling DRS, etc. were also completed. I have also deployed new VxRail cluster by building it and then further optimizing various parameters.

  Various day-to-day support activities on vSAN including maintenance for adding new nodes has also been performed.

- **OpenSource** (Owncloud, Redmine, Rsnapshot, proxmox) - I am managing multiple open-source production deployments for software such as owncloud (file sharing), redmine (ticketing), rsnapshot (Backup), proxmox (Virtualization), etc. for multiple customers

- **Email** (Zimbra or postfix with dovecot) - I am managing multiple production Zimbra instances since last many years for many customers.

- **Network** (Firewalls, Switches) - I am helping with management of firewalls (Sonicwall, Fortinet, Sophos, etc.) and Switches (Nexus, Catalyst, MDS, Brocade, Dell, etc.) for multiple customers among multiple deployments since past many years.

EDUCATION

Education	University / School	Year	Percentage / CPI
MS CSE	IIIT Hyderabad	2015	8.0
B. Tech(ICT)	DA-IICT	2008	77.6%
AISSCE	D.A.V. Public School	2004	70.2%
AISSE	Agarwal Public School	2002	84.8%

PUBLICATIONS

Nov 2012 - Paper, Patent: BlueShield: A Layer 2 Appliance for Enhanced Isolation and Security Hardening among Multi-tenant Cloud Workloads (IEEE Link, Personal copy)

CONTACT INFORMATION

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