

## SACHIN SHINDE

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### CAREER ABSTRACT

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- Creative, forward thinker, results driven technology leader with **+16 years** of total Unix experience in IT industry on various OS Platform i.e. AIX, Linux and OpenSource technologies (OpenStack, Kubernetes, OpenShift) in Enterprise Data Centre.
- Experience in developing and deploying cloud based solution and application in Cloud Infrastructure (IaaS) , Container (CaaS) and Platform (PaaS) on both Private and Public Cloud.
- Perseverance and passion for long-term goals with successful track record of delivering on / before time with DevOps model.
- Directing range of corporate IT initiatives, while participating in planning, analysis & implementation of solutions in support of business objectives i.e. Cloud.
- Excellent interpersonal skills, ability to effectively communicate.

### Competencies:

#### **Technical Competencies**

1. Cloud Infrastructure (IaaS) /Platform (PaaS) / Container(CaaS)
  - Hands on experience on Cloud Technologies (OpenStack, AWS,GCP), Kubernetes & OpenShift
  - Experience on Cloud Services like
    - Compute Instances (EC2)
    - Block Devices(EBS/Cinder)
    - Object Storage(S3/Ceph)
    - Load Balancer(ELB/haproxy)
    - Container Engine (GKE)
    - Networking(VPC/Neutron)
  - Design, configure and deployment of cloud components. Automation and continuous Delivery of Infrastructure as Code. Orchestration (heat/Cloud Formation)
  - Experience with virtualization and virtual environment (libvirt, KVM).
  - Specifying solution to application team on cloud-based infrastructure.
  - Experience with cloud middleware component like RabbitMQ, Containers & databases i.e. MariaDB , etcd, InfluxDB
  - Design, implement, manage and orchestrate Docker Container Clusters using Kubernetes
  - Cloud based PythonSDK Programming skill
  - Hands on experience with automated CI/CD workflows via Drone
  - DevOps tools experience - git hub, Chef, Kitchen, Ansible, Drone , Consul(Discovery service), Vault (Secrets)
  - Open Source : Use of open source tools ie. Drone, telegraf, influxdb, Grafana.
  - Cloud Image Creation via DiskImageBuilder(DIB), gradel, packer
2. Unix (AIX & Linux) Technology
  - In-depth knowledge and expertise of all major platform operating system AIX 5.1 to 7.1, RHEL 5.9 - 7.0
  - Good experience on cluster technology like HACMP, VERITAS Clustering (VCS), GPFS.
  - Exposure on Datacenter migration, Storage migration, VIOS install & upgrade, Physical to Virtual (P2V) & Virtual to Virtual (V2V) migration.

- Awareness on wider Monitoring (Patrol, ITM, Nimbus), Scheduling (TWS, Qmaster, CA) & Access (NPUM, Power Broker), Datadog, Graylog tools used in IT industry
  - Work on various storage platform i.e. EMC Clarion/Symmetrix, Celerra, Hitachi, XIV, IBM DS type
  - Knowledge on hardware used in IT industry like IBM Power (4/5/6) Systems, 520/570/595 Series, HP DL 380 Series, Blade Servers, Sun Ultra SPARC 4500/3000
3. Scripting & Automation
- Experience in writing Chef cookbook, Ansible Playbook & Python/Ruby Scripts. Automate Capacity uplift in Cloud infra like adding Compute node using chef cookbook by wrapping community cookbook.
  - Hands on experience on bash scripting (sh, ksh, csh), awk, sed
  - Hands on experience on curl and REST API
  - Good experience on Automation tool such as BladeLogic & its coding
4. Project Delivery Capability
- Can analyse and documents specific projects' business requirements and strategic resolution initiatives; can describe alternative problem-solving approaches.
  - Understands different project methodologies, project lifecycles, major phases, dependencies and milestones within a project, and the required documentation needs
  - Experienced with planning, estimating, staffing, organising, and managing multiple projects; had monitored and dealt with critical paths and risks areas;
  - Can identify customer satisfaction gaps through regular communication and participates in negotiations.

### **Management Competencies**

#### **1. Control**

- Knows what should be communicated, when, and to whom; knows who could help make a good decision; experienced at implementing or managing risk management processes and tools; actively seeks ways to understand, mitigate or reduce risks, drawing on expert advice, risk assessment, and management reports.
- Hands-on knowledge of firm practices in project budgeting; aware of own cost drivers and experienced at negotiation discussions with internal and external suppliers and customers.

#### **2. Leadership**

- Contributes to and encourages ideas; builds on suggestions of others
- Inspires confidence by making and honouring commitments; demonstrates initiative and competence; communicates a vision and strategy of own role

### **CERTIFICATION / TRAININGS**

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- Red Hat OpenShift (OSE - 2.2) Enterprise Administration (PaaS) Certification
  - Red Hat OpenStack (Juno) Enterprise Administration (IaaS) Certification
  - Red Hat Linux & IBM AIX System Administration courses
  - IBM Architecture Course
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## EMPLOYMENT HISTORY

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### 1. Since Feb 2016 with Target India, Bangalore as Lead Engineer (Cloud Technology)

- Product owner of monitoring solution for private cloud (OpenStack)
- Refactor the existing monitoring service for cloud infrastructure (private cloud) base-on Open Source technology & tools (telegraf, kapacitor, InfluxDB, Grafana) and drive it's implementation.
- Automate deployment of monitoring solution through CI/CD pipeline using various techniques like Heat, Drone, Chef and containers.
- Wrote user cases in python to get matrix on responses from various cloud components and their availability via dashboard.
- Wrote multiple Chef cookbook incorporating community cookbook to uplift cloud infrastructure i.e. compute add with test cases using inspec, rspec.
- OpenStack responsibilities include operating, upgrading, patching, monitoring, troubleshooting and adding new features to Private cloud environment which consist of 5 regions. These cloud offerings serve the infrastructure needs of hundreds of Target app/devs and the production clusters host internal applications as well as those for Target.com.
- Manage Kubernetes's cluster deployment in Public Cloud (GCP) as well as on-premises across multiple datacenters.
- Kubernetes support activity involve draining worker node from cluster, adding worker node to fulfill capacity requirement time to time, configuring new features like auto-scaler within cluster.
- Coordinate with other architects and team members for migrating an existing on-premises application to cloud platform i.e. OpenStack & K8S
- Work collaboratively with onshore team, at times taking leadership and at times in supporting roles depending upon the situation.

### 2. Nov 2007 - Jan 2016 with Barclays Technology Center India, Pune as Senior Technical Lead

- Support and Troubleshoot issue on OpenShift Infra and response to user queries related to their problem
- Contribute to add technical articles and suggestions to engineering team internally
- Manage Unix demand of project for Internal portfolio of Barclays
- Play an active role as a technical expert during design and implementation phase of the project. Leads projects through the entire life-cycle.
- Assess the new requirement, challenge if required, suggest/propose amendment in design, proposed solution & project plan
- Managing various tools i.e. Ganglia, Galaxy, Powerbroker rollout across Barclays estate.
- Delivered & manage rollout of various tool agents such as Galaxy/Ganglia across UNIX estate (~35000 assets).
- Major Projects Delivered :
  - i. Various Data Center Migrations - Greenford, France, Cardiff.
  - ii. NPUM to Power Broker Migrations across UNIX estate.
  - iii. Storage Migration, VIOS Upgrade
  - iv. Transition of SouthAfrica estate to global team

v. 20-25 Standard business Project delivered.

**3. Sept 2006 - Nov 2007 with Emerio GlobSoft Pte Ltd, Singapore as Sr. System Administrator**

- Worked at client site i.e. Citibank (CitiGroup) Singapore as a Sr. system administrator. Client is leader in banking sector with a huge IT infrastructure giving support for various countries.
- Level 3 System Administration of multiple complexes of AIX servers.
- Providing 24x7 supports to Datacenter, and fulfilling their requirements time to time.
- Implementing new projects i.e. Installing, Configuring, Supporting OS and applications.
- Troubleshooting and Performance tuning of AIX systems.
- Applying TL, SP to OS as per release from IBM and requirement.
- Installing and maintainings AIX Client server through NIM Master servers.
- Installing, configuring and maintain Veritas cluster on Aix servers.
- Installing, configuring and troubleshooting various 3rd party products like SEOS, Boks, PowerBroker, Patrol, NDM, Netbackup on Aix servers.
- Doing Software/Hardware (CPU/Memory) upgrade on pSeries server and HMC.
- Troubleshooting the issue with Storage System like EMC/Centera.
- Interacting with various vendors i.e. IBM , Veritas on their product Issues

**4. Feb 2005 - Jun 2006 with P&O Nedlloyd IT Devisions Pvt Ltd, Pune as Sr. System Administrator**

Offshore Assignment:

Work on Overseas project assignment of Aix server upgradation from Aix 4.3 to Aix 5.1 version on production server for period of 2 and 1/2 months (March - May) in London (UK). The tasks involve taking approval from business and application user for the server upgradation. Carry out the upgradation process by stopping the application, applying mksysb image of Aix 5.1 server and carried out the testing with the help of application team after upgradation within outage window. Then put back the node in production again.

Work on Integration project between P&O Nedlloyd and MAERSK in Sydney (Australia). The integration project is used for transferring Message/Data using MQ 5.3 between their systems. It involves installation, configuration and administration of MQ server which are in Cluster.

- Provide System administration, operational support and problem resolution for AIX based systems.
- Installation, Configuration and maintenance of operating systems, application servers in AIX environment.
- Administrating IBM MQSeries, HACMP, NAS technologies and apache.
- Configuring and Maintaining LPARS.

**5. Nov 2003 - Jan 2005 with Nihilent Technologies Pvt Ltd, Pune as Consultant**

Worked as System administrator at P&O Nedlloyd IT Divisions Pvt. Ltd. Client is world's second largest shipping company, with a huge IT infrastructure. The servers are located at Sydney, London and Rotterdam.

- Level 2 System Administration of multiple complexes of AIX servers.
- Providing 24 x 7 supports to worldwide users, and fulfilling their requirements time to time.

- Troubleshooting and Performance tuning of AIX systems.
- Storage management on Celerra NAS.
- TSM Administration with IBM 3494 Tape library.
- Configuration and administration of third party Software such as Qmaster
- Troubleshooting and setup of printer

**6. Feb 2000 - Oct 2003 with IDBI (Industrial Development Bank Of India), Mumbai as Assistant Manager (IT)**

- Perform regular system administration activities such as coordination of system startup, shutdown and reboots, software package installation, patch maintenance, system recoveries, hardware fault-diagnostics, performance monitoring and system tuning
- User Account and Group Administration
- Taking regular backups of OS, File Systems and Databases.
- Configuring and Maintaining Intranet server of IDBI Organization using Apache, Tomcat, jdk on Sun Solaris Platform
- Installing and Configuring Proxy server using squid software on Solaris and Linux platform for providing restricted access to user according to organization policy
- Configuring and maintaining NFS, Apache on Solaris and AIX Server.
- Remote Connection Management -- Configuring and maintaining servers for communication between them ie for working RCP, REMSH command
- Writing shell script to automate backup process and to generate alert messaging by email for file system crosses threshold level.
- Accepting the user's and Developer's day to day problems about server, networking, mails, storage space and solve it.

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### ACADEMICS

- Bachelor of Electronics Engg (B.ELECTRONICS) with 68% in May-98 University of Shivaji, P.V.P.I.T College Of Engg, Kolhapur, India
- Diploma of Electronics Engg (D.ELECTRONICS) with 66% in May-95 University of Mumbai, V.P.M 's Poly. Of Engg, Thane
- Diploma In Advance Computing(DAC) Affiliated to Center for Development of advance computing(C-DAC), Pune

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### PERSONAL DETAILS

<b>Address</b>	: Queenstown , H-501, UdyogNagar , Near Chinchwad Railway Station,Opp. Lokmanya Hospital, Chinchwad, Pune 411033
<b>Date of Birth</b>	: 1 <sup>st</sup> Feb 1977
<b>Language Known</b>	: English, Marathi, Hindi