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Profile Summary

- ~3 years of IT experience across various technical, development, system administration & management roles.
- Develop, test, implement and maintain application software.
- Did **High Performance Linpack** (HPL) Benchmarking and case study on India's smallest Supercomputer **PARAM SHAVAK, CDAC-Acts**, Pune.
- Study Software Stack of **Super Computer SANGAM** and **SHRESHTA** installed on CDAC-Acts, Pune.
- Good Exposure of deployment using Devops tools (Docker, Kubernetes, Ansible)
- Good Communication, analytical, interpersonal and creative skills.
- Built Virtual Data Centre on PARAM SHAVAK using VMware Esxi and PROXMOX.
- Installing and Managing workload managers such as TORQUE, PBS, MAUI & SLURM for Clusters on PARAM SHAVAK.
- Case study for **Intel Xeon Phi** CPU for HPC and GPGPU **NVIDIA** Tesla V100 Tensor Core, AMD FirePro.
- Built Network Attached Storage on PARAM SHAVAK using FreeNAS.
- Created private cloud infrastructure using Openstack and provided Hadoop as a Service.
- Run HPC GUI application on docker and deployed on kubernetes.
- KVM Live and shared migration from different Linux OS (Centos6, centos7 & Ubuntu).
- 1.10 year of Technical Support Experience.
- Managed more than 360 customers across india remotely for POS Application (Microsoft Dynamics AX 2012)
- Automating daily basis and Common Tasks with scripts
- System Management & Administration.
- Maintaining their Databases like (Creating sync services, DB archival process, shrink DB, job scheduling, Backup & restore).
- Installation of OS, POS application and their required tools.
- 1.2 years of experience in Java development.
- Have worked on Java Swing, Servlet, JSP
- Proficient at requirements gathering, developing queries, preparing reports of analysis, analysing data and giving insights, testing, debugging for issues and implementation codes in Production.
- Design, implement and maintain java application phases.

Took a sabbatical to build skills in **HPC System Administration**. My full time job wasn't allowing me to upgrade myself at the pace at which the technology paradigm was changing. To achieve this:

- Completed relevant certifications and courses
 - Learnt functional and Technical skills with good hands on lab assignments and Theory.
 - Integrated my experience in this field, all functional skills gained with
 - This resulted in the development of skills in HPC, supercomputer domain
- Results achieved are below skills learned and mastered during the course :

Skill Summary

- **Linux Operating System and Perl** : Linux System Administration, Shell Scripting, Perl.
- **Cloud Services & Security** : Openstack, OpenShift, Docker, Docker-swarm, Docker-compose, Vagrant, VMware ESXi, VMware, vSphere, Hyper-V, Github, Ansible, Kubernetes, Proxmox, Kernel-based Virtual Machine (KVM), Palo-Alto, AWS - architecture, migration, S3 Bucket storage with Boto3 using python.
- **HPC System Administration and Management** : Rocks Cluster Distribution, Ganglia Monitoring System, OpenHPC, High Performance Computing (HPC), HPC Cluster, xCAT, Automating Linux Installation with Kickstart, PXEboot, collectl, Warewulf stateless cluster tool, Benchmarking (HPL, Colplot, mPich).
- **Storage and Backup Management** : Lustre HPC file system, Logical Volume Manager (LVM), Amanda (Advanced Maryland Automatic Network Disk Archiver), iSCSI, FreeNAS.

- **Hadoop Administration** : Hadoop cluster design(With high Availability), commissioning, architecture, administration, migration, maintenance.
- **Resource Management and Accounting** : Maui Resource Manager & Cluster Scheduler, Slurm Workload Manager , Portable Batch System , Gold(Accounting system and manages resource usage on High Performance Computers) , TORQUE(Terascale Open-source Resource and QUEue Manager).
- **Computer Architecture** : CISC vs. RISC architectures, Multi-Processor architectures, Standard IO interfaces GPU elements,Intel Xeon Phi case study,**NVIDIA** Tesla V100 Tensor Core.
- **Security and Traffic management** : Linux Software Firewall (ClearOS),Windows Server (IPsec Policy),Wireshark, Nagios, pfSense (IDS), Snort ,Nginx & Squid Reverse Proxy.
- **Programming Language** : CORE JAVA, Python , C,Ruby
- **Web Technologies** : HTML,CSS , Servlet , JSP, Bootstrap
- **Database Tools** : Oracle 10g ,sql server 2012
- **Software Development tools** : Eclipse, Netbean ,IntelliJ IDEA,pycharm ,RubyMine
- **Operating Systems** : Linux(RHEL,Ubuntu,CentOS),Windows7,10,Windows Server 2012,2016

Work Experience

Sep 2019 – till date - Afour Technology as a Software Engineer.

Working on UNITRENDS Backup and Recovery for VMware and Hyper-V Manual & Automation Testing using Python

- Working on Agile Methodology.
- Work on Archiving of Data to NFS ,CIFS, ISCSI, TAPE and Cloud Platforms to make sure it's working as Expected.
- Development and Execution of Automation test scripts.
- Defect Tracking and Reporting.
- Daily Execution of Test Suite on Test Harness.
- Maintenance and Modification of Automation scripts.
- Actively working on different types of backups and performing Regression around product features including Replication, Archiving and Disaster Recovery.

Unitrends MSP Portal Manual & Automation testing using Ruby, Selenium, Capybara, Cucumber and Manual API testing using POSTMAN

- To Maintain UI Automation framework, development and execution of automation test scripts using Ruby and Selenium.
- Writing and Executing Manual test cases.
- Execution of Test Suite using Cucumber.
- Defect Tracking and Reporting.
- Maintenance and Modification of Automation scripts.
- Submitting the regression test report.
- Review of automated scripts and re-usable functions in terms of coding conventions and test case coverage.
- Cross browser testing on firefox.

April 2017 – Feb 2019 - Worked for the client “Mother dairy fruits & Vegetables Pvt. Ltd.” on the payroll of TeamLease services Pvt. Ltd.

Technical Support Engineer for (Point of Sale) as L1 & L2.

My role, as a Technical Support Engineer for L1 & L2, comprised of:

- Manage Point of Sale(POS) Application (Microsoft Dynamic Dynamics AX 2012)
- Device Management & Administration.
- Monitoring around 300 customers globally with a rich variety of elements all over Delhi (NCR).
- Maintaining and monitoring Databases like (Creating & Managing sync services, DB archival,DB shrink,DB recovery).

- Diagnose workstation compatibility issues by ensuring proper IE settings, Group Policy, Security Policy, etc. are adhered to.
- Query live SQL databases in search of data integrity or performance issues
- Write and modify SQL triggers, functions, stored procedures, views and general statements as part of designing support solutions for our clients.
- Monitoring and Maintaining POS machine, SQL server 2012, Monitor of POS, Thermal Printer, System
- Escalating the issues as per the given SLA, taking support from SFM and rectifying all POS related issues immediately with root cause analysis.
- Analyze the business and technical needs of a client
- Create knowledge base articles and provide internal training sessions
- Provide training to our clients' technical teams on first line application troubleshooting steps
- Fulfill the terms of our Service Level Agreement (SLA) to ensure client satisfaction
- Continuously follow-up with the support team for relevant notification updates per SLA, and drive resolution.
- Configure and troubleshoot web server services such as IIS, Application Pools, SSL
- Create and troubleshoot scheduled batch jobs using the Task Scheduler
- Trace performance issues with the use of SQL Profiler, Performance Monitor and similar tools
- Troubleshoot email and SMTP issues, and engage the correct contacts for resolution
- Handling various product issues related tickets within the SLA.
- Provided production support in an on-call rotation in a 24x7 environment.
- Monitored, Troubleshoot, and resolved issues involving operating systems.

July 2015 – Sep 2016 - Software Developer with Micron Soft Corporation, Noida,India

Project: Payroll Management System

- Working with the development team , was responsible for design and development Application
- Providing solution to development teams for design & optimization
- Working in the development services, system architecture conception & design, development, testing, implementation .

Certifications

- **Cisco - Linux Essential** from Netcad.com
- **Coursera - Developing AI Applications on Azure**
<https://www.coursera.org/account/accomplishments/certificate/HW9CEJ5V4JJ7>
- **IBM - Getting Started on Mainframe with z/OS Commands and Panels**
https://www.youracclaim.com/badges/c3d4ca59-04fe-4116-b944-8389cb543036?source=linked_in_profile
- **IBM - Introduction to Enterprise Computing**
https://www.youracclaim.com/badges/8bd1df6f-dc4e-4535-9d1e-b2a54cced250/linked_in_profile
- **Udemy -Scientific Computing Master Class™ | Parallel Computing**
<https://www.udemy.com/certificate/UC-87750ea9-6bfb-4eb8-bf83-6b3dcf61336f/>
- **Coursera - Google Cloud Platform Fundamentals for AWS Professionals**
<https://www.coursera.org/account/accomplishments/certificate/6E2MXVMALXUA>
- **Coursera - Cloud Computing Basics (Cloud 101)**
<https://www.coursera.org/account/accomplishments/certificate/DXSSYL54U7C7>
- **Coursera - Introduction to Cloud Identity**
<https://www.coursera.org/account/accomplishments/certificate/9EAJY8RSQRVJ>
- **Coursera - Communication Strategies for a Virtual Age**
<https://www.coursera.org/account/accomplishments/certificate/SE7Q4ES3ZNXW>
- **Cisco - Introduction to Cybersecurity**
https://www.youracclaim.com/badges/235d4119-b7d1-4d17-8bb2-e70bb1e05ebf/linked_in_profile

Academic Qualifications

- P.G Diploma in **High Performance Computing System Administration** from C-DAC(Centre for Development of Advanced Computing), Pune,India with 70.11%.
- (B.TECH)Bachelor of Technology(Computer Science & Engineering.) from 2011-2015 from Dr. A.P.J. Abdul Kalam Technical University ,Uttar Pradesh with 70.08%.
- Std. 12th in 2011
- Std. 10th in 2009.