

Shatadru Bandyopadhyay

Contact: +353 830926631

Email: shatadru1@gmail.com

GitHub: <https://github.com/shatadru>

<https://www.linkedin.com/in/shatadru1/>

<https://shatadru.in/portfolio.html>



SUMMARY

12+ years of experience in Red Hat Enterprise Linux (RHEL), Red Hat OpenStack platform, virtualization, Kubernetes, Devops and Private Cloud infrastructure. Proven ability to design, develop, deploy, and manage complex cloud solutions at large scale. Experienced in automation, performance tuning, and troubleshooting in enterprise environments.

Currently working as Senior Software Developer in Workday's private cloud team, responsible for managing one of the biggest OpenStack deployments out there.

Previously worked as Senior Site Reliability Engineer at Workday and as Senior Technical Support Engineer at Red Hat in the Enterprise Cloud Support team.

WORK EXPERIENCE

Company : Workday Inc.
(Aug, 2023 - Current)



Senior Software Development Engineer

- Work on Cloud Engineering responsible for writing and maintaining CI/CD for deploying and managing private cloud infrastructure.
- Lead designing new k8s platform for Workday's private cloud and orchestrate effort to migrate large amounts of services to the said platform.
- Maintain and improve internal application to provide a bird eye view of entire workday private cloud platform
- Lead multiple efforts to add new features to existing platforms.

Company : Workday Inc.
(May, 2022 - Aug, 2023)



Senior Site reliability engineer

- Contribute and maintain Workday's new generation public cloud.
- Develop and maintain internal tool (based on Django) to visualise workday's huge private cloud footprint
- Drive automation to automate different day to day operations. (Zuul, Jenkins, Ansible, Chef)
- Collaborate in internal design discussion, drive innovations

Company : Workday Inc.
(Nov, 2020 - May, 2022)



Devops Engineer / Site reliability engineer

- Working in Enterprise Workday's private cloud as Devops Engineer
- Develop and contribute in internal tools, automation(chef, ansible), deployment, alerting and monitoring.
- Deploy and maintain Workday's huge private cloud infrastructure.
- Work on openstack and SDN(Contrail) related problems.

Company : Red Hat Inc.
(Sep, 2017 - Nov 2020)



Senior Technical Support Engineer (Openstack)

- Working in the Enterprise Cloud Support team specialising in Red Hat Openstack platform and providing support to customers.
- Specialises in Openstack cinder and nova.
- Working as NFV/SDN specialist and working closely with telco customers, proficient in DPDK and SR-IOV deployment of Openstack.
- Experience working with vGPU, NVIDIA CUDA workloads on RHEL and Openstack.
- Reviewing new deployment templates for customers.
- Troubleshoot any deployment or post deployment issue related to openstack.
- Help internal teams deploy / automate cloud infrastructure.
- Helping customers with best practices for deploying OSP.
- Mentoring new hires.

Company : Red Hat Inc.
(May, 2014 - Sep 2017)



Technical Support Engineer

- Work as a part of Red Hat Global Support Services Kernel and Storage Specialty Team.
- Perform diagnostics as well as troubleshoot and develop solutions for customer issues.
- Carry out necessary research and file bugs in Red Hat products.
- Propose and discuss fixes, while providing advice and educating customers.
- Root cause analysis of system crash, reboot, hang and different storage related issues.
- Analysis of kernel dump (vmcore), perf, SAR.
- Mentoring and coaching new hires and interns.
- Conducting technical sessions to build up a technically strong team.
- Performance analysis and tuning of RHEL kernel and application.
- Automate different daily tasks using scripts.
- Provide technical support to customers by taking incoming calls and responding to web-based queries.
- Contribute to the global Red Hat knowledge management system.

CERTIFICATIONS

- [RED HAT CERTIFIED ARCHITECT LEVEL II](#)
- [RED HAT CERTIFIED SPECIALIST IN ANSIBLE AUTOMATION](#)
- [RED HAT CERTIFIED SYSTEM ADMINISTRATOR IN RED HAT OPENSTACK](#)
- [RED HAT CERTIFICATE OF EXPERTISE IN RED HAT ENTERPRISE LINUX DIAGNOSTICS AND TROUBLESHOOTING](#)
- [RED HAT CERTIFIED VIRTUALIZATION ADMINISTRATOR](#)
- [RED HAT CERTIFICATE OF EXPERTISE IN PERFORMANCE TUNING](#)
- [RED HAT CERTIFICATE OF EXPERTISE IN SERVER HARDENING](#)
- [RED HAT CERTIFIED ENGINEER](#)
- [RED HAT CERTIFIED SYSTEM ADMINISTRATOR](#)
- RED HAT CERTIFICATE NUMBER : [140-034-547](#)

CONFERENCE

- [ELK stack with Openstack](#), Devconf Bangalore 2018
- [Future of IT with Quantum Computing](#), Devconf Boston 2018
- [Anomaly Detection on OpenStack Logs using M.L.](#), CentOS Dojo Boston 2018

AREAS OF PROFICIENCY

- Operating System: Linux- Red Hat Enterprise Linux (4,5,6,7), Fedora, CentOS, OpenSuse, Debian, Ubuntu, Mint
- Virtualization : RHEV, KVM.
- Knowledge of Openstack subcomponents like cinder, nova, neutron, ironic etc.
- Knowledge of RHEL High Availability (pacemaker).
- Thorough understanding of Linux Kernel and its subsystems.
- Working experience in storage subsystem (DM-Multipath, LVM, FC, FCoE, iSCSI, LUN, SAN and related technologies)
- Knowledge of systemtap, perf, many other performance / profiling utilities and in-depth vmcore(kernel's dump) analysis.
- Performance tuning for Enterprise Environments.
- Proficient in linux shell scripting, Python and automation using tools like Ansible
- CI/CD Jenkins, zuul
- Good knowledge of systemd, grub2, containers, docker, podman.
- Expert in troubleshooting “system can't boot” issues.
- Configuring network in linux systems.(Bonding, Teaming, Bridging, VLAN, Openvswitch etc)
- Knowledge of different server management software.(iLO,DRAC, IMM etc.)

EDUCATION

QUALIFICATION	INSTITUTION	BOARD/UNIVERSITY	YEAR OF PASSING	PERCENTAGE/ CGPA
B.TECH, INFORMATION TECHNOLOGY	WBUT- INHOUSE	WEST BENGAL UNIVERSITY OF TECHNOLOGY	2014	75%
HIGHER SECONDARY +12	BELUR HIGH SCHOOL	WEST BENGAL COUNCIL OF HIGHER SECONDARY EDUCATION	2010	78%
MADHYAMIK +10	UTTARPARA MODEL SCHOOL	WEST BENGAL BOARD OF SECONDARY EDUCATION	2008	90%