YOGESH UPADHYAY

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Professional Summary

System engineering professional with 9 years of experience in to DevOps, System engineering and technology consulting roles with a sense of ownership and delivering results. Expertise in Software development, Unix/Linux System administration, Automation, Cloud based micro-services. Multitasking ability to sketch plans, prioritize work and manage complex projects under aggressive timelines; Adroit at analyzing organizational requirements; Highly ethical, trustworthy and discreet.

Key Accomplishment in Professional career:

- Migration Platform development to move legacy infrastructure to AWS cloud.
- Reduced service build time for AWS new region builds with automation.
- Minimize possibility of human errors by delivering automated workflow for hardware lifecycle management, consolidating various dashboard into single unified dashboard with alarm configuration.
- Achieved ops excellence by triaging customer feedback, analyzing ticket trends for team and consolidated outcome into ops-runbooks.
- Introduced system configuration management system to reduce daily operation. Enabled team to spend more time on new projects.
- Authored online courses on Linux to educate students and contributed to open source community.
- Various proof of concept on open source alternatives for existing enterprise solution.

Technical Skills

- **Programming Languages/Scripting**: Python, Java, Bash
- **DevOPS**: AWS Cloud services, Kubernetes, Docker, CFEngine, Puppet, Ansible, Git, CI/CD.
- **Operating System**: Redhat and Debian Based Linux Distributions, AIX, Windows, Mac OS.
- **Application and Services**: Apache, MySQL, BIND, RedHat HA Cluster.
- **Networking** : TCP/IP, CCNA level, Data Center networking eco system, Loadbalancer.
- **HW Devices**: Citrix Netscalers, EMC Storage, Cisco, Dell, HP servers.

Educational Qualifications

- Bachelor of Engineering in Computer Science.
- Red Hat Certified Engineer
- IBM Certified AIX Administrator

Professional Experience

Amazon Data Services, Ireland   March 2015 – till date
  System Development Engineer
- Contributing as System Development Engineer for AWS Load balancing platform.
- Load balancing Migration platform development in Java.

- Automate select system and network operation tasks through creation and maintenance of tools.
- Delivered design and developing systems to the scale of AWS and amazon retail.
- Automate system deployment tasks using AWS services (Cloudformation, EC2, DyDB, Step Functions, S3).
- Delivered Container based infrastructure set up for development and production services.
- Oncall, operation excellence efforts.

Key Skills: Linux, Various AWS services, Python, Java, Git, Docker, Citrix NetScaler.

Publication:
- Authored Online Linux course for Twenty19.com.   **October2014- Feb15**

Freelancer and Corporate Trainer:
- Delivered Linux, MySQL, CFEngine, DevOps, Cloud related trainings.

Monster.com   **March2013 – Sep2014**

System Administrator
- Provided proof of concept for CFEngine and Puppet config management suite. Later moved on with CFEngine for production deployment.
- Lead CFEngine automation project and migrated few stages.
- Developed Bash scripts for Automating daily system administration tasks.
- Managing web environment consisting of more than 100 bare metal servers running on Fedora 5 / CentOS 5.3 and Above.
- Servers deployment with custom compiled kernel with additional security capabilities (GrSecurity).
- Deploying Web, DB Clusters using LVS {IPIP tunnel} + Heartbeat {High Availability}.
- Securing platform / Application using various concepts, IPtables, sshblack.
- Prepared POC on migrating website from DC to Cloud (AWS).
- Delivered in-house solution for package repository, Web application Load Testing using Apache Jmeter.

Key Skills: Linux, HA Cluster, Load Balancer, Python, CFEngine, Apache, MySQL, Docker.

Siemens AG   **July 2012 – March 2013**

Sr System Engineer
- L3 Support for Siemens proprietary telecom product includes consulting, troubleshooting, Deployment and product configuration.
- Written Python based automation for Fleetwide system deployment.

Skill: Python, Linux, Cluster, EMC SAN Storage, Brocade FC Switches, Shell Scripting.

Aricent Group.   **August 2011- July 2012**

System R&D:
- Proof of Concept for RedHat Cluster suite, later migrated proprietary service from HP Service guard to RH Cluster.
- Coordination with internal and RedHat support team.
- Proof of Concept for usage and application of Hadoop into telecom domain.

Development:

- Developed customized fencing module for RH Cluster using C, this module used NMI(Non Maskable Interrupt) watchdog theory to implement virtual fencing.
- Some System administration activities.

Tools/Skills : Red Hat Enterprise Linux 6, Red Hat Cluster Suite, HP MSA 2312 FC SAN, HP Prolaint G6   Server, Shell/Python Scripting.

UTI Infrastructure Technology and Services Ltd   (Nov'2010 – August-2011)
Project Associate (IT Infrastructure-Linux Administrator)
- System administration task for organization's various service offering in Govt sector.
- Delivered POC for custom Debian based desktop OS for company wide deployment.
- UNIX administration and Data center Automation scripts using Shell, Perl Scripting.

EMBEE SOFTWARE PVT LTD   (Feb'2010-Nov2010)
Jr. Technology Specialist
Client : Steel Authority of India Ltd.(SAIL)
Key Deliverables:
- Contributed in designing, implementation, configuration of high available private internet infrastructure with 10K nodes .
- Developed automation in Python/Shell for later system administration/operation activities.
- Performance improvement and fine tuning of existing services in Infrastructure.

Educational Internship:
 DCM Data Systems
   IBM-AIX Trainee [Internship]   (May'2009-july 2009)

*(*Yogesh Upadhyay*)*