Akshay Sinha

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Objective:

Obtain position as a Devops/Automation Engineer to apply my skills and knowledge in order to develop project and gain my knowledge further.

Work Experience:

Total: 9 Years

HCL Technologies – 3 years 6 months (16th June 2014 – Till Present)
Tata Consultancy Services Ltd. - 5 year 6 months (28th Nov 2008 – 13th June 2014)

Duties:

- Been working as Devops/Automation Engineer for past nine years in Industry.
- Responsible for automation of installation of infrastructure components, using various scripting languages., but mostly Python and Shell. Some of the complex components whose installation were automated are :
    - IBM Web Sphere Commerce 7
    - IBM MDM AE
    - IBM MDM CE
    - Websphere MQ
    - ISAM
    - ISAM LDAP
    - IBM Cloudant
    - Env Setup using Forever and PM2
    - IBM Unica, etc
    - API Connect
    - Kafka/zookeeper
    - couchdb
- Responsible for automating end to end build and release cycle of 30 + Micro services based on nodejs using uBuild, uDeploy and uRelease.
- Responsible for managing ~ 60+ forever/pm2 based RHEL boxes where these micro services live.
- At times, responsible for administration of websphere application server
- Responsible for management of messaging infra which included kafka and rabbitmq
- Looked after administration of couch db based IBM Cloudant.
- Wrote a script in python to automate the deployment of design documents in Cloudant and made it part of release cycle.

- Wrote up a python based micro service and integrated it with Slack, s.t, deployments can be triggered in CI system directly from Slack
- Looked after the administration of ISAM, setting up and managing ACL, reverse proxy, junctions, management of LDAP etc.
- Wrote a python script to transform and migrate ~ 110M records from a legacy system to couch db.
- Wrote a python script to automate the cleanup of ~23M records from a legacy system based on some constraints.
- Developed and implemented custom Workflows in Jira for various projects depending upon various project requirements.
- Configured a base setup of oauth (password and client credentials) using API connect. Also created a build and release process around automated publishing of API's
- Have good experience of working with elk metrics/kibana and log management using filebeat /packetbeats / metricbeats etc.
- Implemented Sonarqube and Istanbul for static code analysis and code coverage.
- Upgraded many applications such as UDeploy, Confluence, Jira, Rundeck, MDM, ISAM, to their latest version available.
- Interacted with different stakeholders of Confluence to identify their unique needs from wiki and facilitated the same by installing new plug-ins.
- Used Ansible and fabric to automatically propagate configuration changes across multiple nodes
- Responsible for administration of GIT in project through Teamforge and Github.
- Managed JIRA, Confluence, UDeploy, TFS etc for an user size of around 3000 developers in a project.
- Developed automated solution to Resolve/Uninstall/Install MSI packages and deploy them in windows environment from command line. I have used PowerShell for this purpose.
- Responsible for tuning already deployed application for performance and workload management.
- Have good experience of implementation with Google analytics on any site. Also responsible for analysis of site metrics (Page views, unique PVs, traffic, response time etc.) and report generation.
- Have special skills in administration and applying customizations for different projects in Confluence.
- Have good experience of working with DMZ network zone and setting up relay servers for controlled communication.
- Have good knowledge of Web Sphere Application Server Network Deployment (WAS ND) and integration with IHS (IBM HTTP Server)/Apache plug-in.
- Configured the JDBC drivers and Data sources for application servers to test the application against various databases.
- Having good knowledge of Windows Scripting, Shell Scripting, WS Admin (using Jython) , ANT etc.
- Having Sound knowledge of analyzing various Logs using Shell Script (awk, sed, grep etc) to troubleshoot the application/configurational errors in real time.
- Intimately understands needs of both small and very large development groups, local and dispersed.
- Carried out Configuration and Maintenance of others Applications Services like Database (SQL, Oracle) using DB Deploy and ant. Developed script to package the whole solution.
- Have Expertise in installing, configuring, performance tuning, troubleshooting, failover and work load management of Web Sphere Application Server 5.1 and 6.0, Tomcat Application Container, CI tool like Hudson, Subversion etc.
- Mentored new joiners for process and management workflow as per the project needs.

Technical Skills:

Operating Systems	RHEL6/7, IBM AIX 5.3,centos, Windows 2008/2012
CI Tools	uBuild, uDeploy and uRelease. Jenkins, Quickbuild, Anthill Pro 5.0.0.2, Rundeck
Application Servers	pm2, IBM Web Sphere 8.5, IBM Web Sphere Portal 5.1/ 6.0.x,Apache Tomcat
Web Servers	nginx, haproxy,IBM HTTP Server, Apache IHS, Tomcat
Scripting	Python, Shell scripting, Powershell, ant
Database	Couchdb, Cloudant, db2
SCM Tool	SVN, TFS GIT, Team Forge and Git Hub Administration
Collaboration Tools	Atlassian Confluence, Atlassian JIRA Administration , Rally
Other Tools	MDMCE/AE, WCS7, ISAM, LDAP, WAS, Kafka, zookeeper

Projects :

The details of the various Projects that I have worked in are listed here, in reverse chronological order.

P406 - Universal Studios

Customer	:	**Universal Studios**
Period	:	**Jan'16 – Present**
Location	:	**US (Orlando)**
Description	:	P406 UO is an initiative to revamp the existing technologies in universal studios owned theme parks in Orlando and LA. And further, using the same technology foot print. open similar parks in Japan, China and Brazil.
Role	:	Devops Lead

NBC Universal

Customer	:	**NBC Universal**
Period	:	**Jun'14 – Jan'16**

Location	:	**India (Noida)**

Description : NBCU is an American media and entertainment company engaged in the production and marketing of entertainment, news, and information products and services to a global customer base. The company owns and operates American television networks, numerous cable channels, and a group of local stations in the United States, as well as motion picture companies, several television production companies, and branded theme parks. It is the world's largest mass media group.

Role : Build and Release Automation Lead.

Landmark - Haliburton

Customer	:	**Landmark (Haliburton)**
Period	:	**Dec'12 – Jun'14**
Location	:	**India (Gurgaon)**

Description : Landmark's integrated software and services help the upstream oil and gas industry turn critical information into useful knowledge. With this knowledge, our clients can see further, deeper, more accurately and more comprehensively than ever. So they can make better decisions with less risk than ever.

Role : Configuration Manager/Automation Developer.

Glaxo Smith Kline

Customer	:	**Glaxo Smith Kline**
Period	:	**Feb'12 – Jul'12 and Sep'12-Nov'12**
Location	:	**London, Stevenage (UK)**

Description : GSK is a world leader in the pharmaceutical industry specializing in the field of medicine and vaccine. It has made significant contributions to the development of vaccines for the three priority diseases – HIV/AIDS, tuberculosis and malaria, recognized by the World Health Organization (WHO). The client currently has 99,000 employees with annual revenue of £28.4Bn (2010) is presently operating from over 100 countries.

Role	:	Configuration Manager/Automation Developer.

Passport Seva Project

Customer	:	**Ministry of External Affairs, India.**
Period	:	**August'09 – Jan '12**
Location	:	**India (Noida)**
Description	:	Passport Seva is a initiative to transform the current process of Passport Issuance into a hassle free online application process. The Passport Seva Project, based on a public-private partnership model, aims to provide passport-related services to Indian citizens in a speedy, convenient and transparent manner.
Role	:	Configuration Manager/Web Sphere Administrator.

Summary of Qualification:

- B.Tech. in Computer Science from Faculty of Engineering and Technology, Hardwar (2008).

Passport:

Name	:	Akshay Sinha
Passport Number	:	G9881753
Date Of Issue	:	22-JUL-2008
Expiry Date	:	21-JUL-2018
Place of Issue	:	Lucknow, U.P, India

Interests:

- Machine Learning, Time Series Analysis and Neural Networks in particular
- Pure Mathematics, Number theory
- Literature