**Resume**

**Amit Samson Patole**

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**GitHub:** [Amit Patole](https://github.com/amitpatole?tab=repositories)

**PROFESSIONAL SUMMARY:**

* 11+ years of experience in Linux administration and Executing DevOps strategy in various environments of Linux servers.
* Set up the scripts for creation of new snapshots and deletion of old snapshots in OpenStack Junos
* Experience in working on source control management tools like GIT (GitHub), Subversion (SVN) and creating GIT repositories with specified branching strategies
* Experience in using build tools like MAVEN and ANT for the building of deployable artifacts such as war from source code.
* Expertise in implementation and maintenance of Apache HTTP, SMTP, DNS, TCP/IP, Security Management & Security trouble shooting skills
* Experience on working with various OS like Linux (Red hat, Ubuntu, CentOS), UNIX, Windows
* Experienced in Querying RDBMS such as Oracle, MY SQL and SQL Server.
* Created multiple deployment strategies using CI/CD Pipelines using Jenkins.
* Configured and administered Jenkins for automated builds Responsible for installing Jenkins master and slave nodes.
* Expertise in automating builds and deployment process using Bash, Python and Shell scripts.
* Experience on working with on-premises network, application, server monitoring tools like Nagios and Splunk Monitoring tool
* Good understanding of Software Development Life Cycle (SDLC) like Agile, Waterfall Methodologies
* Experienced in troubleshooting and automated deployment to web end application servers like WebLogic, and Apache Tomcat.
* Configured and maintained Hudson to implement the CI process and integrated the tool with Ant and Maven to schedule the builds. Took the sole responsibility to maintain the CI Hudson server.
* Work with development/testing, deployment, systems/infrastructure and project teams to ensure continuous operation of build and test systems.
* Experience in building and deploying applications on Application Servers for UAT, IST, and Development environments.
* Own full lifecycle of build system - from analysis, development, implementation and support of builds, unit testing and deployments.
* Interact with developers and Enterprise Configuration Management Team for changes to best practices and tools to eliminate non-efficient practices and bottlenecks.
* Coordinate with Release Management regarding appropriate system releases among other development platforms
* Excellent interpersonal skills, proven team player with an analytical bent to problem solving and delivering under high stress environment.
* Good analytical thinking, Critical thinking, Problem solving ability to translate technical requirement to test plans. Ability to work seamlessly with Onshore/Offshore teams
* Strong communication and team skills, ability to work independently with minimal supervision.

**EDUCATION:**

* Univercity of Pune, Maharashtra. India.
* Bachelor of Computer Science.

**TECHNICAL SKILLS**

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| --- | --- |
| Build Tools/ CI/CD | Maven, Ant, Jenkins. |
| Operating Systems | Linux (Red Hat Enterprise Linux 5.x,6.x, Fedora and CentOS, SUSE 8,10,11, Ubuntu 7.x – 14.x), Windows, vSphere ESX 3.x,4. x. |
| Configuration Management tools | Puppet, Chef, Ansible. |
| Cloud services | OpenStack (Junos) |
| Monitoring Tools | Nagios, Hudson, Splunk |
| Programming Languages: | HTML, Python, Perl, Ruby, Expect, Python and Shell Scripting. |

**PROFESSIONAL EXPERIENCE:**

#1. Associate Tech Specialist|Tech Mahindra [ Client: AT&T ]

Duration:9th January 2019 – Present

**Location** – Alpharetta, Georgia, United States

**Project:** ECOMP

**Project Description:**

The ECOMP Controller is responsible for the deployment and Life Cycle Management (LCM) of all ECOMP components, modules and micro-services consistently. The ECOMP Controller manages multiple instances of ECOMP (the platform) and their interoperation as demand for ECOMP grows. The ECOMP Controller is the D2 subsystem that deploys and manages the lifecycle of ECOMP and all the software required to make it operational

**Languages:** Perl, Shell script, Groovy script

**Infrastructure** **Tools**: Kubernetes, OpenStack, Docker

**Tools:** Git, SVN, Hudson/Jenkins, Splunk, Putty, Nagios

**Roles and Responsibilities:**

* Creating Ansible playbooks for prebaking using packer into custom built and highly available Vnf images
* Use of Anisble, perl,python and shell scripts to automate various day to day activites.
* Extend containerized cluster to multiple datacenters.
* Deploy application across non-prod, production and DR sites
* Troubleshoot issues in the application across non-prod, production and DR sites
* Create platform using Kubernetes, OpenStack, and docker.
* Provide the Infrastructure for all ECOMP components, modules and micro-services consistently.
* Onboarding all ECOMP components namespaces, manages resources and upgraded as per requirement
* Develop and integrate tool chains to facilitate source control, build, and artifacts archival and delivery
* Identify issues at the tool chain and infrastructure level. Drive solutions to resolve encountered problems.
* Help develop and maintain automated processes, tools, and documentation in support of docker
* Responsible for overall docker & Kubernetes setup, configuration and Architecture.
* Configuring and maintaining/supporting a large-scale docker based PaaS environment using Kubernetes
* Troubleshoot and resolve issues within the docker and Kubernetes environment.
* Ensure proper operational aspects including monitoring, reporting, backup for both docker hosts and associated images and containers
* Work with development teams to understand capacity and performance requirements.
* Define a deployment solution using container orchestration tools to ensure scalable and highly available solution.

**Skills Utilized –** OpenStack, Splunk, Introscope, Ansible, Shell Scripting, Expect Scripting, OSSRC

**#2. IT Technical Senior Analyst |UL Identity Management & Securities**

**Duration:June 2018 – November 5th 2018.**

**Location –** Atlanta, Georgia, United States

**Roles and Responsibilities:**

* Identified and suggested new technologies and tools to enhance current product value and team productivity
* Sound knowledge of TDD (Test Driven Development) and PP (Paired Programming)
* Proposed enhancements to the existing software systems
* Build, test and deploy scalable, highly available infrastructure.
* Evaluated multiple cloud solution for current in-house infrastructure.
* Built scalable, highly available Jenkins environment using custom docker image and orchestrated the scalability using ansible playbooks that can add the required number of Jenkins node on demand to the existing environment and destroy them when not required.
* Containerised existing QA environment to be instantiated on the fly for performing unit, regression tests.
* Involved in product release activities, including configuration management, software deployment, change management, performance monitoring, and application maintenance
* Additional responsibilities included but not limited to:
  + Manage git repositories and created strategies for branching and merging for various projects in git.
  + Integration of Automated Build with Deployment Pipeline using Jenkins and deploy in target environments (DEV, Test, UAT, Staging, and Production).
  + Running the various jobs on Jenkins and maintaining all jobs through CICD pipeline.
  + Experienced in working with git, svn and cvs environments
  + Monitored software, hardware, firewall, load balancers and OS updates
  + Managing Windows and Linux patch management with Ansible.
  + Jenkins Migration:
  + Responsible for Managing and Firewall, Load Balance and NAS drives.
  + Responsible to managing and maintaining VMWare ESXi Dev, UAT and Prod cluster

**Skills Utilized –** Ansible, VMWare, Docker, gitlab, Jenkins, Maven, TDD, PP, Vagrant

#3. Associate Tech Specialist|Tech Mahindra [ Client: AT&T ]

Duration:August 2013 – June 2018

**Location** – Alpharetta, Georgia, United States

**Project:** CPADS-Trinity

**Project Description:**

Trinity is a hosted business VoIP service that is intended to serve all business segments.The virtualized Linux platform will make use of Ericsson components, virtualized BroadSoft applications, virtualized Juniper DBE’s(Data Border Elements) and ITO infrastructure.  
The VNF’s will be instantiated in on the AT&T Integrated Cloud (AIC) which is assumed to provide the necessary environment and network infrastructure. The cloud environment is based on OpenStack. The Hypervisor is KVM, base Operating system is Red Hat Enterprise Linux

**Tools :** Openstack, Splunk, OSSRC

**Roles and Responsibilities:**

* vNF implementation from creation of heat tempelate for instantiation of (Ericsson, Juniper and Broadsoft) appliances.
* Creating Ansible playbooks for prebaking using packer into custom built and highly available Vnf images
* Use of Anisble, perl,python and shell scripts to automate various day to day activites.
* Responsible for management and maintenance of Broadsoft applicaton servers, Ericsson SBG’s (Session Broder Gateway’s), ECE’s (Ericsson Composition Engine) and Juniper DBE’s (Data Border Elements).
* Provide Tier 2 support for all Trinity hosted components and infrastructure
* Documentation for knowledge management. Ensuring technical and production Support from offshore.

**Skills Utilized –** OpenStack, Splunk, Introscope, Ansible, Shell Scripting, Expect Scripting, OSSRC

**Project** – Dyson  
 **Role** – Build and Release Engineer  
 **Location** – Pune, India

* Created branching & tagging strategy to maintain the source code in the CVS repository.
* Management of Customer Requirements and documentation of the Project Plan as per the requirements.
* Integration of Automated Build with Deployment Pipeline. Currently installed Chef Server and clients to pick up the Build from Jenkins repository and deploy in target environments (Integration, QA, and Production).
* Running the various jobs on Jenkins and maintaining all jobs through CICD pipeline.
* Experienced in working with CVS environment and configuring the version tool for the project development.
* Completing software builds and elevations, creating directories and security groups, and recreating prior versions. Monitored software, hardware, and/or middleware updates and utilizing technologies like Hudson, Ant, and Subversion
* Involved in product release activities, including configuration management, software deployment, change management, performance monitoring, and application maintenance
* Automated Weekly releases with ANT scripting for Compiling Java Code, Debugging and Placing Builds into Maven Repository

**Skills Utilized –** Chef, puppet, Splunk,Hudson, ELK, Introscope, Jython scripting, Shell Scripting, Expect Scripting, OSSRC, Weblogic 11g

**#4. Platform Systems Administrator | BMC Software India Pvt. Ltd**

**Duration:** July 2008 – Oct 2012

**Location** – Pune, Maharashtra. India

**Roles and Responsibilities:**

* Played role of Solution and Implementation Lead for multiple in-house Projects.
* Responsible for configuration, requirements gathering, implementation and production support post go live. Technical and functional support to clients through verbal and written communications.
* Creating the automated build and deployment process for application, re-engineering setup for better userexperience, and leading up to building a continuous integration system for all our products.
* Worked on creating nightly and weekly builds for different modules with experience in Designing of different Release Environments for new projects
* Carried Deployments and builds on various environments using continuous integration tool.
* Source code configuration tools Subversion and **GIT** used for different projects.
* Developed and implemented the software release management for the release of web applications.
* Performed software configuration/release management activities for three different Java application
* Used GIT as Version Control System for two applications. Managed development streams and integration streams
* Responsible in doing build and deploying on different environments simultaneously and maintaining and executed build scripts by coordinating with development and QA teams
* Provided assistance to developers in resolving problems.Created and Maintained GIT repositories, branches and tags.
* Projects Handled:
* SharePoint 2007 Implementation : Involved in installation of Microsoft Office SharePoint 2007.
* One3 Upgrade : Upgrade of BMC Remedy Suite from version 6.3 to 7.5. Which includes AR Server (7.5) and services with Mid-tier(7.5)
* iSearch (InQuira Search) :Setup of InQuira Search replacement for RKM (Remedy Knowledge Management),
* SOA implementation for LLM :

o Involved in Installation and configuration of SOA (Service Oriented Architecture)

o Involved in implementation and configuration of CRMS Application on SOA platform.

* Oracle SOA Suite / OSB Upgrade :

o Successfully upgraded Oracle SOA Suite from 11.1.1.2.0 to 11.1.1.3.0 and 11.1.1.4.0. Upgraded Weblogic for Oracle SOA Suite from 10.3.2 to 10.3.3 and 10.3.4

o Successfully upgraded Oracle OSB from 11.1.1.3.0 to 11.1.1.4.0. Upgraded Weblogic for Oracle OSB from 10.3.3 to 10.3.4

**Skills Utilized –** Windows 2003 Server, SQL Server 2010,SSIS, VSS,SVN, GIT, Remedy, BMC Atrium Orchetrator, Shell Scripting, Sharepoint 2007, Weblogic 10g, Oracle SOA Suite 11g.

#5. Sr. Network associate | Vidushi Infotech SSP Pvt. Ltd.

Duration Jan 2006 – July 2008

**Location** – Pune, Maharashtra. India

**Roles and responsibilites:**

* In charge of Technical Support Department
* Maintenance & Troubleshooting of Windows 2003 Server, Linux Servers, Wireless Network.
* Vendor Co-ordination & follow up, Daily, Weekly and monthly backup & restoration.
* Configured Apache, DNS, Squid, Samba, Sendmail on Fedora Core 5.0 and Red hat Linux 4.0 Enterprise Server
* Automated creation of new projects (site and database) on development environment and migration of sites and databases from development to staging server using VB Scripting and Shell Scripting on both environments Linux as well as Windows.
* As a Part of SEPG group for CMMI Process. Process owner of Acceptance and Launch Process and Secondary Responsibility of Configuration Management Process as a part of ongoing CMMI Process.
* Checking Leased Line and Broadband status & doing follow up with respective DOT in case of failure.
* Handle ISO and CMMI audit for Technical Support Dept.

**Achievements:**

1. Awarded for Best Technical Executive for the year 2007