**Kalyan Reddy Pingili**

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**PROFESSIONAL SUMMARY**

* **8+** years of experience in Configuration Management, Build and Release management involving extensive work towards code compilation, packaging, building, debugging, automating, managing and deploying code across multiple environments.
* In-depth understanding of the principles and best practices of **Software Configuration Management** (SCM) in **Agile**, **SCRUM**, Waterfall methodologies.
* Experience working with various **AWS Services** like EC2, S3, ELB, Auto scaling, Route53, SNS, SES, Cloud Watch, RDS, Dynamo DB, VPC, Elasticache, Cloud Formation, Cloud Front, OpsWorks etc.
* Experience in working on version control systems like Subversion, and GIT and used Source code management client tools like **GitBash**, **GitHub**, **Git GUI** and other command line applications etc.
* Good understanding of **Openshift** platform in managing **Docker containers and Kubernetes Clusters**
* Delivered SQL server migration projects, **Azure** migration projects (to **IAAS and PAAS**), handled the infrastructure requirements for mission critical production systems.
* Extensive knowledge on SQL, Windows, Microsoft Azure (**IAAS and PAAS**) administration.
* Configured and managed **Nagios** for monitoring over existing AWS cloud platform.
* Currently leads an active integration effort for building out PaaS with Redhat **OpenShift**, **Dockers** and working with developers on application containerization effort
* Extensive experience using **MAVEN, ANT and Xcode** as build tools for the building of deployable artifacts from source code.
* Automating Cloud infrastructure setup via Cloud formation, **terraform** and - IBM **Urbancode Deploy**
* Ansible Playbook. - AWS Code Deploy.
* Monitored 100% of data center devices by integrating **Zabbix** using Linux, Zabbix, and Ansible.
* Expert in implementing continuous integration and deployment systems using **Jenkins**, Maven, **Nexus**, **Ansible** and Rundeck.
* Experienced in Querying RDBMS such as **Oracle, MY SQL and SQL Server** by using SQL for data integrity.
* Created and maintained user accounts, profiles, network security and security groups, using **AWS-IAM.**
* Experience using **AWS - Cloud Watch** and created alerts for instances.
* Managed environments **DEV, QA, UAT** and **PROD** for various releases and designed instance strategies.
* Extremely knowledge about **CI/CIT/CID** integration.
* Expertise in Installation, Configuration, Support and Administration of **TeamCity** continuous integration tool.
* Established **Chef Best practices** approaches to systems deployment with tools such as vagrant, berkshelf and test-kitchen and the treatment of each **Chef cookbook** as a unit of software deployment, independently version controlled.
* Experienced in Writing **Chef Recipes** to automate our build/deployment process and do an overall process improvement to any manual processes.
* Managed Ubuntu Linux and Windows virtual servers (Rackspace and AWS EC2) with Chef using Git.
* Extensively worked on **Hudson, Jenkins** and Anthill Pro for continuous integration (CI) and for End to End automation for all build and deployments.
* Ability in execution of **XML, Ant Scripts, Ruby, Shell Scripts, Perl Scripts, Power Shell scripts and JAVA Scripts.**
* Experience in Deploying **JBoss, Apache Tomcat web server, IIS Server, Oracle web logic, and IBM WebSphere.**
* Experience in working with Tracking Tools like **JIRA, Red Mine, and Bugzilla.**
* Knowledge of using Routed Protocols: FTP, SFTP, SSH, HTTP, HTTPS and Connect direct.
* Having work experience in support of multi platforms like **UNIX,Ubuntu,RHEL, Fedora, iOS and Windows** 98/NT/XP/Vista/7/8 of production, test and development servers.
* Experience with configuration management and automation tools (Puppet/Chef/Docker).
* Knowledge on Deploying Couchbase, Tomcat and Elasticsearch clusters using **Docker.**
* Midlevel expertise in **Ruby,PERL CGI,** Web development and basic understanding in **SQL** and **Python.**
* Experience in working with Tracking Tools **HP Service Center, JIRA.**

**TECHNICAL SKILLS:**

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| --- | --- |
| SCM Tool: | Subversion, GIT,Perforce, Clear case,RTC |
| Build Tool | Ant, Maven |
| CI tools | **Jenkins**/Hudson, Capistrano, Anthill Pro, Ansible, Bamboo,U Deploy,X Deploy |
| Bug tracker& Testing | JIRA, Bugzilla, Redmine, Junit, Spock,Test Flight, Test Rail |
| Project Management | Base Camp, MS Project, Atlassian Tools, Demandware |
| Repositories | **Nexus**, Artifactory |
| Web Service Tools | JBOSS, Apache Tomcat, IntelliJ IDEA, Oracle Web logic, IBM Web sphere, IIS Server |
| Languages/Utilities | Shell Script, ANT Script, Batch Script, Perl Script, Ruby,Power Shell Script, C, C++, ObjectiveC,Python, Java, J2EE |
| Databases | SQL Server 2000/2005/2008, Oracle,DB2,Teradata |
| Monitoring tools | Splunk, Dynatrace |
| Operating Systems | UNIX, Linux (red hat), Ubuntu, Fedora, Windows 98/NT/XP/Vista/7/8, IOS |

**PROFESSIONAL EXPERIENCE**

**Client: Davita, Denver - COMarch 2017–Till Date  
Role: Sr. Devops Cloud Engineer**

**Responsibilities:**

* Coordinated with Different Environments such as Development, Network, Software and QA Engineers and to continuously improve the efficiency and reliability of Build and Deployment processes to support all phases of development and production releases.
* Troubleshoot the build issue during the Jenkins build process.
* Worked with Build force and **Jenkins** for Continuous Integration and deployment into Apache **Tomcat** Server.
* Reviewed **OpenShift** PaaS product architecture and suggested improvement features after conducting research on Competitors products.
* Managing **Amazon Web Services (AWS)** infrastructure with automation and configuration management tools such as Ansible, Puppet, or custom-built. Designing cloud-hosted solutions, specific **AWS** product suite experience.
* Proficiency in scripting for automation and monitoring using shell bash, PowerShell, PHP, Java, Python, Ruby and Perl scripts.
* Worked on all **Amazon Web Services** including **EC2, EBS, IAM, S3, ELB.**
* Conducted detailed research on Mesos-Marathon and Kubernetes for container orchestration.
* Streamlined installation of OpenShift on partner cloud infrastructure such as AWS and Azure.
* Created **Nagios** instance from scratch to include all servers in all environments
* Created multiple custom **Nagios** checks and event handlers to monitor and maintain servers
* Extensive knowledge on Windows **Azure IAAS and PAA**S models along with SQL Azure
* Worked on the Deployment, Configuration, Monitoring and Maintenance of OpenShift Enterprise Administration and worked with the management of **OpenShift** Enterprise resources
* Worked on cloud environment, **AWS**: created instances and migrated various applications to **AWS**.
* Implemented a Continuous Delivery pipeline with Docker, Jenkins and GitHub and AWS AMI's
* Support and enhance SDLC cycle by using **Docker containers** delivered with Openshift for web application deployment.
* Configured **AWS-EC2** Cloud Instances using AMIs and launched instances with respect to specific applications.
* Designed and developed **AWS Cloud Formation** templates to create custom **VPC, Subnets, NAT** to ensure deployment of web applications.
* Setup NFS servers as **OpenShift** storage backend and configured various storage claims for developers
* Setup and management of OpenShit 3.1/ 3.2 environment and responsible for the expansion to support a scalable environment
* Part of the Devops team responsible for containerization efforts and migration of Java apps to OpenShift Enterprise.
* Developed build and deployment script using Ruby (Ansible Playbook) and shell scripting.
* Created and maintained the Shell/Ruby deployment scripts for tomcat and UNIX servers.
* Manage, Implementation and configuration - RTC, Maven, ANT, Jenkins, Nexus, Ansible, SonarQube.
* Carried Builds & Deployments on various environments using **Build Forge** Automation tool.
* Creating a fully Automated Build and Deployment Platform and coordinating code builds promotions and orchestrated deployments using **Jenkins & Build Forge.**
* Used **Build Forge** for Continuous Integration and deployment into Web, Application and Database Servers
* Designing and implementing Continuous Integration system configuring TeamCity servers, **TeamCity** agents and creating required scripts and creating/configuring VMs Windows/Linux.
* Automated deployment of builds to different environments using **TeamCity.**
* Implemented new projects builds framework using **Jenkins, Maven, Gradle, SonarQube** as build framework tools
* Implementing and maintaining a Continuous Delivery framework using RTC, Build tools, Jenkins, and custom scripts.
* Manage Jenkins server and nodes configuration, environment variable and plugins.
* Developed and maintaining self-service automation jobs as per project requirement
* Responsible to creating deployment playbook for upcoming releases which will review and sign-off by other teams.
* Introduced Automation into the CI/CD pipeline using **Ansible** - IT Automation tool.

**Environment:** Java, Eclipse, Toad, Git, Tomcat, Apache, Sonar, Ansible, Oracle 12c, Jenkins, Marathon, Python, Ruby Chef, JIRA, PowerShell, Azure, Maven, Art factory, Ubuntu, CentOS, Linux, AWS, AWS Cloud Formation Templates, AWS RDS, AWS Cloud Watch, Spock, Ruby, Chef-solo/server

**Client: Frontier CommunicationsJuly 2015– March 2017  
Role: Sr. Devops/AWS Engineer**

**Responsibilities:**

* Develop installer scripts using **Ant, Python, Unix** for various products to be hosted on Application Servers
* Troubleshoot **Build** and **Deploy** Issues, with little downtime.
* Organize and Co-ordinate Product Releases, work closely with product development, QA, Support across global locations to ensure successful releases
* Implemented rapid-provisioning and life-cycle management for **Ubuntu Linux** using, **Chef** and custom Ruby/Bash scripts
* Worked on Managing the Private Cloud Environment using **Chef.**
* Implemented and maintained the continuous integration and deployment systems using **Jenkins, Maven, Nexus**, **Ansible** and Rundeck.
* Experience on config mgmt. & infrastructure automation tools like **Ansible, Chef, SaltStack, CFEngine** etc.
* Proficiency in scripting for automation and monitoring using shell bash, PowerShell, PHP, Java, Python, Ruby and Perl scripts.
* Implemented services that would route messages to different JMS queues based on message properties. These messages would be picked up by the appropriate **ESB** service which would in turn call the third-party partner web services
* Developed web pages using spring framework (**Spring MVC, Spring Core, Spring AOP**) and Struts
* Created data-models for customer data using the **Cassandra** Query Language
* Created User defined types to store specialized data structures in **Cassandra**
* Evaluated Mesos/Marathon for **Docker** container orchestration
* Installed and configured code rules, keys of Sonar for code analysis and created of **Sonar Qube** dashboards for different team members based on their roles to monitor the progress of project source code.
* Led "Continuous Delivery" project, streamlining Dev workflow, integrating automated QE validation, and delivering standardized releases based on Docker to Operations for deployment.
* Implemented a Continuous Delivery pipeline with **Docker**, and **GitHub** and **AWS**
* Experimented with **Docker,** by using Docker-compose
* Implemented multi-tier application provisioning in OpenStack cloud, integrating it with Chef
* Deployed Applications into PROD & Pre-Prod environments with various Application server technologies like **WebLogic, JBOSS& Apache Tomcat.**
* Developed automation framework for Application Deployments to the cloud environments
* Managed and optimize the Continuous Delivery tools like Jenkins
* Install, Configure, Administer Hudson/Jenkins Continuous Integration Tool
* Automate Continuous Build and Deploy Scripts for Hudson/Jenkins Continuous Integration tool
* Provide stable build environments for product development
* Branching, Tagging, Release Activities on Version Control Tools: SVN, GIT
* Develop Custom Scripts to monitor repositories, Server storage
* Member of the Technical Design team, Build and Release Module for Development of new products.
* Automated the local dev environment using Vagrant/chef-solo.
* Automated the cloud deployments using chef, python (boto & fabric) and AWS Cloud Formation Templates.
* Document release metrics, software configuration process.

**Environment:** Java, Eclipse, Toad, Git, Tomcat, Apache, Sonar, Ansible, Oracle 12c, Jenkins,Marathon, Python, Ruby Chef, JIRA, Maven, Art factory, PowerShell,Ubuntu, CentOS, Linux, AWS, AWS Cloud Formation Templates, AWS RDS, AWS Cloud Watch, Spock, Ruby, Chef-solo/server

**Client: Panasonic - Atlanta, GA March 2014– July 2015**

**Role: DevOps / Release –Build Engineer**

**Responsibilities:**

* Worked portal for triggering builds and releasing them to stakeholders by understanding the pain points of Developers and QA engineers.
* Maintained the **FTP server** in which the builds were copied.
* Experience in **Build/Release** Engineering Automation with Docker and Jenkins.
* Implemented **Chef** to deploy the builds for Dev, QA and production.
* Maintained and developed infrastructure using **Chef, Jenkins**, and multiple **AWS** tools.
* Worked on establishing a streamlined release process for the development team from scratch.
* Created release notes based on the contents of builds and publish build artifacts to the stakeholders.
* Refactored configuration **(Puppet)** and deployment (**Capistrano**) system to be 6x faster and allow fully automated releases.
* Continuous Integration: implemented and promoted use of Bamboo within the developer community. Validated **Jenkins** along with **Bamboo.**
* Developed scripts for executing validation/test cases automatically after builds.
* Designed, Created and Managed Continuous Build and Continuous Integration environments in SCRUM and Agile projects, combining and automating tools like Cobertura, **Selenium,** XUnit and Web Driver with build processes to provide detailed Metrics and rapid feedback for development teams.
* Experience with Linux systems, virtualization in a large­scale environment, experience **with Linux Containers (LXC)** and **Docker**.
* Hands on experience on Automation/Build such as **Jenkins, JNLP Slave Nodes, Docker,Chef, Puppet, Nexus, Artifactory, Bamboo**.
* Managed central repositories: Implemented **Atlassian Stash** along with **GIT** to host GIT central repositories for source code across products, facilitate code reviews and login audits for Security Compliance. Developed and maintained in-house Code review system before migrating to the lightweight code review system available in **Stash.**
* Designed and implemented the backup strategy for all the critical systems such as build machines, bug tracking tools, central repositories etc.

**Environment:** Java, Eclipse, Tomcat, Apache, Oracle 11g, Jenkins, Python, Ruby JIRA, Maven, Artifactory, Git, Ubuntu, Windows, AWS, Ruby, **Chef**, Windows.

**Client: TescoHSC - Bengaluru, IndiaSept 2012 – Feb 2014**

**Role:Software Engineer (Release/ Build)**

**Responsibilities:**

* Designed a CM solution that used **ClearCase UCM** integrated with **Rational ClearQuest.**
* Performadministrationofusers,supportedteamforparalleldevelopment.Wrote**Shell/Perl/Ant**filesto automate certain processes for the smooth process of use of build tools like Build Forge.
* Analyze the impact of change requests on project plan parameters, and synchronized source code repositories as an active member of CCB.
* Participated in CCB meetings to represent the CM team.
* Installed, configured and maintained **Clear Case** and ClearQuest for SCM and Issue tracking.
* Extensively used **Perl** scripting to design customized triggers for the **ClearQuest**.
* Performed all formal builds to the system test, acceptance test and production environments that were written in **Perl/ANT/Java**.
* Participated in migration, from Base Clear Case to **UCM Clear Case** and even from CVS.
* Fixed migration problems by identifying view checkout from VOBs and solved the problem by writing scripts for views attached to the VOBs.
* documentation of CM tasks using **MS-Office**, also documented for project configuration.
* HelpedindeploymentofJavaapplicationswiththeinstallationandconfigurationofWebSphereserverusing**ClearCase** for source control.
* Installation and Configuration of Web Sphere software development environment(SDE) to automate build processes.

**Environment:** RationalClearCase, RationalClearQuest,UCM, Shell Scripts,Perl,ANT,CVS,UNIX,SQL,J2EE, Build Forge, WebSphere and Windows Environment.

**Client: ASM Technologies -Chennai,IndiaJune2010 to Aug 2012**

**Role:Build &Release Engineer**

**Responsibilities:**

* Worked on **Java/J2EE** Coding for Portal Applications.
* Worked on **Tomcat Web server** for hosting web apps.
* Used **Perforce version control system** to manage different builds for the system.
* Involved in writing **Shell scripts** for compilation and deployment process.
* Good command in writing **ANT scripts** for making all the files local to the server.
* Created deployment tickets using Jira for build deployment in Production.
* Collected the approvals for deploying the code to production.
* Created diff files and check sum files for production support.
* Involved in working with **WebSphere** App server admin console for deploying applications.
* Worked closely with developers and managers to resolve the issues that rose during the deployments to different environments.
* Communicated with all levels of engineering, management, development and test teams.

**Environment:** Subversion, Perforce, Team City, Apache Tomcat, Java/J2EE, ANT, Shell Scripts, MAVEN, JIRA, UNIX, LINUX, Windows XP.