Anubhav Kumar

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PROFILE SUMMARY

- **3 years** of experience in **DevOps/Build and Release** engineering, currently working for Sunlife Financials, Gurgaon.
- Experience with various DevOps lifecycle and concepts such as Continuous Integration, Continuous Delivery, ConfigurationManagement, Microservices and **Agiledevelopment methodology.**
- Possess wide exposure to **version controltools.**
- Implemented **E2E continuous delivery pipeline** with integrate, deploy, code quality, code review to multiple environments like Dev, QA and prod.
- Integrated different tools like **Jenkins, Maven, SonarQube, Git, JFROG Artifactory** to develop CICD Pipeline.
- Good knowledge in Cloud concepts (Aws) with hands on experience with Linux, server and cloud architecture.
- Strong understanding of **Linux operating systems.**
- Experience with automation using **Python scripts.**
- **JIRA** to keep track of all the ongoing tasks and maintain bug resolutions.
- Proficient with container systems like **Docker** and container orchestration system like **Kubernetes**.
- Used **Kubernetes** to orchestrate the deployment and management of Docker Containers.

KEY SKILLS

- Source Control Tool:**Git,Bitbucket**
- CI/CD Pipeline using **Jenkins for Java Applications And Azure DevOps Server for .net applications**
- Scripting language: **Shell,Python**
- Build tools:**Maven**
- Static Code Analysistool: **SonarQube**
- Repository Manager to store the artifacts**:- Artifactory and Xray**
- Experience in **Windows** aswell as **LinuxOS**
- Containerization: **Docker and Kubernetes**
- Cloud: AWS/Azure
- Configuration& IAC Tool:**Ansible & Terraform(Basic Knowledge)**
- Monitoring Tools**:- APM, ASM from Broadcom and Grafana**

CERTIFICATIONS

- Certified Jenkins Engineer(Credential ID) 44977962
- AZ-900 (Credential ID) H951-3281

PROFESSIONAL EXPERIENCE

Sunlife , Gurugram from 09/2019 – Now

Key Responsibilities:

- Management of Source control tools like **Bitbucket** providing access to users, creation of repositories and branches.
- Responsible for installing the plugins and setting of the automated jobs/nodes for deployment process.
- Setup the **infrastructure** for window based agents in jenkins.
- Creation of permission templates with suitable key and groups to **onboard different teams** in sonarqube.

- Setting up **quality gates** and enabling **rules** for the different teams.
- Working in **collaboration** with SecOps team to deploy new custom rule based plugin in sonarqube tool starting with lower environments developed by them..
- Helped teams to setup **webhooks** in bitbucket to trigger the jobs **automatically** for **pipeline** and **mutibranch pipeline** jobs in Jenkins.
- Upgrading all of our **DevOps tools 2 times** in a year to make the applications **reliable and up-to-date with current version**. Many tasks covered under this. Starting the upgrade in lower environments(Dev) then stage and finally productions with change tickets created in service now along with approval of stakeholders of different teams to proceed with higher environments.Creating **healthcheck** jobs to validate each of the tools after upgrade. Preparing **release notes** of what has been changed in this new version wr.to old version and making it publicly available to the developers via public repository in bitbucket which have all the details about **howto** use the tools.
- Creating **markdown doc** in bitbucket public repo for developers if new features have been added or changed in any of the tools..
- Involved in alerting and reporting on code quality and code coverage using **SonarQube**.
- Have the basic understanding of **shared libraries** in jenkins.
- Hands on basic Database technology knowledge such as SQL,PostgreSQL.
- Hands on experience in **Ansible**, written **ansible playbook** to do the configuration management.
- Reduced **time** of CICD using Automation of deployment, installation and configuration of dependencies and software in servers by significant times and increase productivity and reduced human-effort.
- Integrated monitoring and alerting systems from pre-prod CI servers as wells as production servers, to give quick response, resolution, Incidence response and blameless postmortem analysis and resolution as well as coordinate between a Dev-QA Engineering team**.**
- **Debugged the application logs** to get the issue on the application side.
- Created the **Docker images** with the help of docker file, volumes troubleshooting docker applications.
- Managed **Docker orchestration and Docker containerization** using **Kubernetes.**
- **Developedautomationscripts** using Shell script to automate system level tasks, Server health check scripts and monitoring file system and usage with the help of cron jobs.
- Hand on experience to manage the entire build and release activity across multiple environments and infrastructure.
- Experience in **Linux/Unix environment** and **scripting** for automation and worked on administration tasks.
- Experience in CI tool **Jenkins**, configured controller and Slave configuration to implement parallel build, like pipeline and freestyle projects.
- Handled **build failures** and analyzed **log** in Jenkins for providing quick resolution to errors.
- Developed a jenkins job using the **ArtifactoryRestApi** to **clean up the artifacts** which have been not downloaded in past 3 months from **snapshot repositories**. So, that repos should not become bulky and application works **efficiently**.
- Created a **python script** to get the **list of users in csv file** from each groups defined in bitbucket using **bitbucket rest api**.
- Worked on **POC** named as **Autoheal**(where the issue was we were continuously getting incidents related to diskspace on our windows servers in jenkins and we have created a batch file and created a jenkins job) **Toil Reduction:SRE** principle.
- Troubleshoot the **application logs** to get the issue on the application side.
- Writing **docker files and creating docker images maintaining** those images into sunlife owned Docker Trusted Registry..
- Responsible for writing the manifest and Services files in Kubernetes.
- Experienced with Kubernetes to orchestrate the deployment and management of docker containers.
  Executed monitoring using **Prometheus and Grafana for Jenkins** to monitor the things like number of nodes available, health of Jenkins, Processing speed, etc.. with the help of 2 plugins prometheus and disk usage plugin..
- Having good knowledge of **cloud services** like VM instance, load balancer, IAM and VPC as cloud infrastructure
- Good understanding of **network technologies like DNS, Load Balancing, SSL, TCP/IP, HTTP.**
- Strong Communication skills to understand requirements, optimize and provide guidance for application, system issues and improvement of product/applications by collaborating across multiple team .
- Responsible fordeliveringourproductsto clients. Participated in scrum calls, Daily team calls to give regular updates on issues.

EDUCATION

Examination Passed	Board/ University	Name of School/College	Year of passing	Percentage of marks
B.Tech	Dr. Abdul Kalam Technical University Lucknow	Raj Kumar Goel Institute Of Technology,Ghaziabad	2015-2019	73.6
CLASS XII	C.B.S.E.	Lions School	2014	79
CLASS X	C.B.S.E.	Daffodils Public School	2012	86

ACCOMPLISHMENTS

- Team Recognition:- Received shining star award from onshore manager for migrating SonarQube tool from on-prem servers to Docker containers to make the tool available for developers 24/7. And, also saved $16,432(canadian dollar) by decommissioning those on-prem VM servers.
- Received shining star(Demonstrated Customer Focus) award for resolving the issue in production bitbucket where users were not added to any groups that are defined in the projects.
- Received monthly collaboration award from offshore manager for coordinating with Quality team.
- Recognised by offshore manager for doing remarkable work on upgrading Bitbucket to v7.6.0 on Docker.
- Received appreciation from onshore manager for taking the ownership to upgrade the Artifactory/Xray tool due to critical vulnerability in their current versions to their bug-free version..
- Received appreciation from onshore manager for making the sonarqube infrastructure reliable and stable by adding persistent volume to the application and change it's kind from deployment to statefulset in kubernetes.
- Received owner's mindset recognition from offshore manager for implementing successfully autoheal POC in production environment.

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PERSONAL INFORMATION

- Gender: Male
- Passport: Yes
- Language: English, Hindi