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Description automatically generatedRonak Patel**

**Sr DevOps Engineer**

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**732-889-4796**

**SUMMARY:**

* Highly motivated DevOps Engineer with 12 years of experience in Software Development Life Cycle (SDLC), Software Configuration Management (SCM), Change Management (CM), Build automation and Release Management (RM), Systems Administration, Cloud Automation, Continuous Integration and Continuous Delivery using different tools.
* Experienced in setting up Continuous Integration (CI) and Continuous Deployment (CD) for JAVA and Python application using Jenkins and Azure DevOps.
* Experienced with container-based deployments using Docker, working with Docker images, Docker Hub and Docker-registries and Kubernetes.
* Written Chef cookbooks and recipes to Provision Several pre-production environments consisting of Apache domain creations and several proprietary middleware installations.
* Good understanding of SDLC with expertise on software Build/Release and Configuration management.
* Strong experience on DevOps essential tools like Chef, Puppet, Ansible, Docker, Kubernetes, Subversion (SVN), GIT, Hudson, Jenkins, Ant, Maven, and Managed Services like EC2, S3, ELB, EBS.
* Experienced in working on version control systems like Subversion and GIT and used Source code management client tools like Tortoise SVN, Stash, SourceTree, Git Bash, GitHub, Git GUI, and other command-line applications, etc.

**SKILLS:**

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| * **Operating Systems** | Windows, RedHat, Ubuntu, Linux |
| * **Languages** | YAML, Shell, Ruby, Python, Java |
| * **Build Management Tools** | Maven |
| * **Client Interact Tools** | Putty, FileZilla, WinSCP |
| * **Version Control** | Git/GitHub |
| * **Cloud System** | Hybrid Cloud, AWS (Amazon Web Services), GCP (Google Cloud Platform Services) and Azure |
| * **Containerization** | Docker, Kubernetes |
| * **IAAC (Infrastructure as Code)** | Ansible, Terraform |
| * **CI/CD** | Jenkins |
| * **Database** | MySQL |
| * **Command line Editors** | Vim, Vi, Nano |

**CERTIFICATES:**

* [AZ-400: Designing and Implementing Microsoft DevOps Solutions](https://www.credly.com/badges/2c62940d-37d3-4905-943d-4341d71df8b6/linked_in_profile)
* [Microsoft Certified: Power Platform Fundamentals](https://coursera.org/share/41a23df62f73109226966bc51c0ecb3a)
* [Introduction to Microsoft Azure Cloud Services](https://coursera.org/share/e5522c2ae397e461e36506d6b578c525)
* [Foundations of Project Management](https://coursera.org/share/ac49cd4a699cdabfa930fa1ad9528b46)

**PROFESSIONAL EXPERIENCE:**

Novartis Pharmaceuticals | NJ March 2020 to Present

Sr DevOps Engineer

Novartis Pharmaceuticals is a renowned global pharmaceutical company committed to discovering, developing, and delivering life-changing medicines and therapies that improve patients' lives worldwide.

* Worked closely with the development and operations team to implement necessary tools and process to support the automation of builds, deployments, testing and infrastructure (infrastructure as code).
* Worked with Git Hub enterprise to manage source code repositories and performed branching, merging, and tagging depending on the requirement.
* Designed and deployed complex infrastructure setups using Terraform, including virtual networks, servers, load balancers, and databases.
* Automated manual tasks using Python, PowerShell, and Bash scripting.
* Configurated proxy certificate in Jenkins pipeline and setup mutual Auth process for ongoing deployment.
* Customized and debugged Helm Charts to suit specific application requirements, including configuration, dependencies, secrets, and managed releases.
* Deployed and configured IAC such as ARM or Terraform and maintained Azure DevOps CI/CD pipelines
* Utilized Azure VM, App Services, Function Apps, Logic Apps, Cosmos DB, Azure SQL, Service Bus, Key Vault, and Storage Accounts.
* Monitored higher environments using Azure Application Insights and Log Analytics.
* Automated Java applications using Jenkins continuous integration and continuous delivery (CI and CD), automated build and releases for their LMS platform.
* Developed Chef recipes to configure, deploy and maintain software components of the existing infrastructure.
* Developed and automated build & deployment scripts using Jenkins Maven plugins and moved from one AWS environment to other throughout the build pipeline.
* Deployed containerized application to AWS Elastic Container Service (EKS) and configured ‘Kubectl’ to interact with Kubernetes infrastructure.
* Configured and managed multiple Kubernetes pod containers scaling and auto scaling.
* Experienced in a waterfall, ITIL, SDLC, agile, and homegrown methodologies.
* Worked with IAM service creating new IAM users & groups, defining roles and policies and Identity providers.
* Created templates and cloning for various operating systems like windows, CentOS, RedHat and Ubuntu OS.

**Environment:** Web/Application Servers: Tomcat, HTTP Server, WebLogic. Bug Reporting Tools: SDM-12, Bugzilla, JIRA, Confluence, And Rational Clear Quest.

DevOps: Chef, Helm, Puppet, OpenStack, AWS, Ansible, Docker, and Vagrant.

Smith & Nephew | VA July 2017 to Jan 2020

DevOps Engineer

Smith & Nephew is a prominent global medical technology company specializing in innovative solutions for orthopedic surgery, advanced wound management, and sports medicine. With a legacy spanning over 160 years, the company is dedicated to improving patient outcomes by providing cutting-edge medical devices and healthcare technologies.

* Involved in setting up Siebel, OBIEE, oracle policy automation, Liferay portal, SOA in build and release automation.
* Coordinated with application development teams, application administration teams and DevOps team for smooth and successful deployment.
* Provided access to the git repositories for the developers through ssh key exchange.
* Setup continuous integration using team build and in release with TFS
* Executed compiled Siebel SRF and non-repository files to the git-repo and added latest OBIEE RPD and catalog files to the git-repo.
* Configured Jenkins as a common build engine to build and deploy applications to dev, QA, UAT and prod environments.
* Worked on google cloud platform (GCP) services including compute engine, cloud load balancing, cloud storage, cloud SQL, stack driver monitoring and cloud deployment manager.
* Set-up databases in GCP using RDS, storage using S3 bucket and configuring instance backups to S3 buckets.
* Deployed the resources to Google Anthos by using the terraform code and terraform backend in GCP buckets.
* Setup projects, team areas, components, streams, plans, dashboards, iterations, work item types in RTC.
* Supported multiple teams for multiple applications including Java/J2ee and .Net.
* Maintained detailed documentation of moderately complex system specifications, including system installation procedures, system backup, recovery techniques, and system test methods.
* Developed and implemented an agile SDLC and refinement of the software configuration management (SCM) infrastructure.
* Deployed the Java applications into web application servers like Apache tomcat.
* Performed all necessary day-to-day subversion functions for the project like merging, creating branches and tags using Tortoise SVN.
* Designed and implemented subversion metadata including elements, labels, attributes, triggers, and hyperlinks.
* Worked on maven to create artifacts from source code and deploy them in nexus central repository for internal deployments.

**Environment:** Git, GitHub, GitLab CE, Bitbucket, Jenkins, Puppet, XL Deploy, AWS, OpenStack, Siebel Administrator, OBIEE, Python, VBScript, Maven, MS-SQL, Oracle, Nginx, and Apache HTTP Server.

Citizen Bank |Boston MA Mar 2014 to June 2017

DevOps Engineer

Citizens Bank is a well-established and reputable financial institution in the United States. As one of the nation's oldest and largest banks, Citizens Bank offers a wide range of banking and financial services, including personal and business banking, mortgage lending, wealth management, and more.

* Interacted with client teams to understand client deployment requests.
* Coordinated with the development, database administration, QA, and IT operations teams to ensure there are no resource conflicts.
* Executed source control tools such as team foundation server and git.
* Built scripts using maven build tools in Jenkins to move from one environment to other environments.
* Built and developed the java applications onto different environments like dev, QA, UAT, and production.
* Analyzed, compiled, and resolved errors related to code development, branching, merging, and building of source code along with Linux administration (installation, configuration, tuning, and upgrades of Linux.
* Implemented a continuous deployment (CD) pipeline involving Jenkins, chef to complete the automation from commit to deployment.
* Executed various components of chef including chef server, workstations, nodes, configurations of chef-client and writing cookbooks and recipes for the chef and assigning roles to nodes.
* Maintained and managed chef and puppet servers that can use ServiceNow data to bring computers into a desired state by managing files, services or packages installed on physical or virtual machines.
* Involved in building and configuring red hat Linux servers using kick start server as required for the project.
* Maintained maximum uptime and maximum performance capacity for enterprise production, QA, and UAT/staging.
* Implemented new AWS instances and worked with EBS and S3 storage, IAM.
* Launched and configured amazon EC2 cloud servers using AMI's (Linux/ubuntu) designed and implemented scalable, secure cloud architecture based on amazon web services.
* Written scripts for creation of new snapshots and deletion of old snapshots in s3 worked on setting up the life cycle policies to back the data from AWS S3 to AWS glacier worked with amazon IAM console to create custom users and groups worked with various AWS EC2 and S3 CLI tools.
* Supported an AWS cloud environment with 1000+ AWS instances and configured elastic IP and elastic storage.
* Implemented Cloud and system virtualization platforms and tools (AWS, VMware, Docker, vagrant).
* Built and configured of EC2 instance on AWS cloud platform, the configuration of elastic load balancer (ELB) for traffic control for the EC2 and S3 instances.
* Built high availability and fault-tolerant infrastructure by utilizing various amazon regions and availability zones.

**Environment**: DevOps, Build Release Engineer, AWS, Linux, Unix Administration, System Administration, Git, Perforce, Subversion, Jenkins (Hudson), ANT, Maven, Scripting, Build and Release Automation, Perl, PowerShell, Python, Shell Scripting, Perforce, Continuous Integration Tools Like MySQL, and JavaScript.

Xylem LLC | Chicago IL Oct 2011 to Feb 2014

Jr DevOps Engineer

Xylem LLC is a leading global water technology company dedicated to solving water-related challenges. With a strong focus on innovation, Xylem provides advanced water and wastewater solutions.

* Worked as a DevOps Engineer for a team that involves three different development teams and multiple simultaneous software releases.
* Supported the application in production and worked closely with offshore teams.
* Developed and implemented software release management strategies for various applications according to the agile process.
* Deployed Java applications to application servers in an agile continuous integration environment and automated the whole process.
* Performed integration of code quality analysis techniques - check style, find bugs with CI tools.
* Managed SONA type nexus repositories to download the artifacts (jar, war & ear) during the build.
* Installed grunt, SonarQube on sandbox and installed plugins basing on developer requirements.
* Involved in setting up builds using chef as a configuration management tool.

**Environment**: DevOps Tools SCM, Git, GRUNT, SonarQube, Bitbucket, Maven, Chef, Puppet, SaltStack, Hudson, Jenkins, Docker, Agile, Jira, Nagios. Operating Systems Red Hat Linux 3.x, 4.x, 5.x, 6.x, Ubuntu, CentOS, Windows, Hardware IBM P-series, Fujitsu Prime-powers.

**EDUCATION:**

**B.Tech. in Pharmacy** Aug 2007 to June 2011

Amravati University - INDIA