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## Sr. DevOps Engineer

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### PROFESSIONAL SUMMARY:

- Results-driven and highly skilled DevOps Engineer with over 8+ years of experience and a proven track record in optimizing software delivery pipelines, enhancing system reliability, and implementing efficient infrastructure solutions.
- Experienced in streamlining release cycles, automating provisioning with Infrastructure as Code (IaC), and orchestrating containerized applications.
- Adept at implementing CI/CD pipelines, utilizing monitoring and logging tools for real-time visibility, and collaborating effectively with cross-functional teams to troubleshoot and optimize system performance.
- Well-versed in cloud services, including AWS and Azure, with expertise in Docker, Kubernetes, Terraform, and configuration management tools such as Puppet and Ansible.
- Strong scripting skills in Groovy, Python, and Bash, coupled with a keen focus on continuous improvement and best practices.
- Seeking opportunities to contribute technical expertise and drive innovation in a dynamic DevOps environment.

### Technical Skills:

- **Version Control Tools:** GitHub, BitBucket
- **Build Tools:** Maven, Gradle, ANT
- **CI/CD Tools:** Jenkins, Gitlab, AWS Code Pipeline, Kubernetes Engine, CodeBuild, OpenShift Container Platform, TeamCity, UrbanCode Deploy
- **Configuration Management:** Ansible, Chef, Puppet
- **Containerization:** Docker, Docker Compose, OpenShift, Kubernetes, Azure Kubernetes Service (AKS), Amazon Elastic Kubernetes Service (Amazon EKS)
- **Infrastructure Management:** Terraform, AWS CloudFormation
- **Scripting Languages:** Shell (Bash), Python, Groovy, YAML, JSON
- **Monitoring and Logging Tools:** Grafana, Prometheus, AWS CloudWatch, AppDynamics, Datadog, Instana, New Relic Insights, Splunk, ELK Stack (Elasticsearch, Logstash, and Kibana)
- **Cloud Services:** Amazon web services (AWS), Azure, GCP, PCF
- **Database Management:** PostgreSQL, Redis, MySQL
- **Networking:** TCP/IP, NIS, NIS+NFS, DNS, DHCP, WAN, SMTP, LAN, FTP/TFTP, TELNET, Firewalls
- **Web / App Services:** Apache Tomcat, JBOSS, Nginx, Web Sphere, Apache Server
- **Artifactory:** Nexus, JFrog
- **Operating Systems:** Unix, Linux, Debian, Ubuntu, Redhat, CentOS
- **Bug Tracking Tools:** Jira, ServiceNow

## PROFESSIONAL EXPERIENCE:

**Liberty Mutual Insurance**

**Jun 2023 – Nov 2023**

**Role: DevOps Engineer**

### Responsibilities:

- Streamlined release cycles through implementation of Jenkins CI/CD pipelines, integrating Maven, JFrog Artifactory, and Terraform.
- Managed repositories, configured webhooks, and integrated GitHub Actions for continuous integration.
- Configured and customized Maven build lifecycles for Java projects, ensuring efficient and standardized builds.
- Configured and maintained Jenkins jobs for continuous integration and continuous delivery (CI/CD).
- Utilized Puppet for configuration management to ensure consistent and efficient server configurations across environments.
- Orchestrated and managed containerized applications on Amazon EKS, improving scalability and resource utilization, Configured and maintained Kubernetes clusters for scalable and resilient container deployments.
- Provisioned and managed infrastructure with Terraform, automating provisioning and promoting code reusability.
- Implemented Infrastructure as Code (IaC) using Terraform to automate the provisioning and configuration of AWS resources.
- Developed and maintained Groovy scripts for automating infrastructure provisioning and deployment tasks.
- Collaborated with development and operations teams to troubleshoot issues and optimize system performance.
- Utilized monitoring and logging tools such as Instana and AppDynamics for real-time visibility into system health and performance, analyzed performance metrics and troubleshooted issues to ensure optimal application performance.
- Worked with RabbitMQ and Kafka for efficient message queuing and event streaming, implemented messaging patterns for communication between microservices and other distributed systems.
- Successfully migrated legacy applications to AWS, leveraging EC2, S3, VPC, and RDS for scalability and cost optimization.
- Deployed and managed AWS Network Load Balancers to handle TCP/UDP traffic, ensuring efficient distribution and failover across multiple instances.

**DarwinBox**

**Jan 2019 – July 2022**

**Role: SRE Engineer/ Monitoring Engineer**

### Responsibilities:

- Reduced mean time to resolution (MTTR) for critical incidents through proactive monitoring, alerting, and swift troubleshooting.
- Improved system uptime through strategic implementation of monitoring tools, infrastructure optimization, and problem resolution.

- Enhanced application performance by identifying performance bottlenecks, optimizing resource allocation, and implementing best practices.
- Designed and implemented comprehensive monitoring dashboards in Datadog, Grafana, and Prometheus, providing actionable insights into system health and performance.
- Utilized Grafana for creating visually intuitive dashboards, enabling efficient monitoring of complex systems.
- Utilized GitHub for version control, ensuring efficient collaboration and code management.
- Managed artifact repositories using JFrog, ensuring a reliable and centralized location for storing and retrieving artifacts.
- Optimized build processes using Maven and Gradle, streamlining code integration and deployment.
- Implemented and maintained CI/CD pipelines using Jenkins, automating build, test, and deployment processes for increased efficiency.
- Utilized Docker for containerization, enhancing application deployment and scalability.
- Developed shell and Groovy scripts to automate routine tasks, improve operational efficiency, and reduce manual errors.
- Optimized database performance for Redis and PostgreSQL, ensuring data availability and fast query response times.
- Collaborated effectively with development and operations teams to ensure system reliability, address technical challenges, and promote best practices.
- Worked with Azure DevOps for cloud-based development, integration, and deployment.

**Byteridge**

**Sep 2017 – Dec 2018**

**Role: DevOps Engineer/ Release Engineer**

### **Responsibilities:**

- Streamlined software delivery through CI/CD pipelines in GitLab, integrated with GitHub for version control and Nexus for artifact management, significantly reducing deployment time.
- Extensive working experience with broad range of AWS Cloud Services like EC2, EKS, RDS, IAM, KMS, CloudWatch, Load Balancers, VPC, & Security Groups.
- Implemented Docker containerization and Kubernetes orchestration for scalable and resource-optimized applications, leveraging GitLab for streamlined deployments.
- Proficiently designed and implemented Helm charts for Kubernetes orchestration, enhancing the deployment process by encapsulating and versioning application configurations, resulting in streamlined releases and improved scalability.
- Implemented Istio service mesh to enhance microservices communication, improve observability, and enforce security policies, resulting in optimized traffic management and heightened application reliability within the Kubernetes environment.
- Managed infrastructure as code (IaC) using AWS CloudFormation, ensuring consistency, minimizing errors and reproducibility of infrastructure deployments.
- Leveraged GitLab to streamline project setup and manage code repositories, build projects, and deployment pipelines.
- Monitored resource utilization metrics in Amazon CloudWatch, optimizing cloud costs and identifying potential resource bottlenecks.
- Managed application configurations effectively using Chef, ensuring consistency across environments.
- Automated build processes using Apache Maven and Gradle, reducing build times and used CI tools to move builds from one environment to other environments.

- Developed Python and Bash automation scripts to streamline routine tasks and optimize workflows, improving team efficiency.
- Collaborated effectively with developers and operations teams to ensure smooth releases and address technical challenges.

**Genpact**

**May 2014 – Aug 2017**

**Role: Build and Release Engineer**

### **Responsibilities:**

- Leveraged Microsoft Azure for cloud-based deployments, implementing and optimizing Azure services such as Azure Blob Storage, Azure Key Vault, and Azure App Service for project. Utilized Azure DevOps Services for end-to-end CI/CD pipelines, integrating seamlessly with other Azure services for comprehensive automation.
- Integrated Slack notifications with Azure DevOps Services, enhancing collaboration and visibility into build and release activities.
- Implemented and managed version control processes using GitHub, overseeing branch management, pull requests, and code reviews for improvement in code quality.
- Utilized Apache Maven and Gradle to manage project builds, resulting in streamlined build processes and reduced build times.
- Managed and maintained Artifactory as the primary artifact repository, ensuring secure and efficient storage of project artifacts. Integrated Artifactory with build pipelines in Azure Pipelines, automating artifact deployment and versioning.
- Utilized Ansible for configuration management, automating infrastructure provisioning and ensuring consistency across environments.
- Integrated Ansible playbooks with Azure Automation State Configuration for streamlined configuration management.
- Implemented Docker for containerization, enabling consistent application deployment across different environments. Orchestrated containerized applications using Kubernetes on Azure Kubernetes Service (AKS), enhancing scalability and resource utilization.
- Implemented Terraform to define and deploy infrastructure as code on Azure, ensuring reproducibility and consistency in infrastructure setups. Collaborated with teams to create reusable Terraform modules for various infrastructure components, promoting code reuse and standardization.
- Proficient in Shell scripting (Bash) for automation tasks and scripting workflows.
- Used Python for scripting and automation.
- Implemented Grafana and Prometheus for monitoring and logging, providing real-time insights into application and infrastructure performance. Configured and customized Grafana dashboards to visualize key metrics from Azure Monitor.
- Utilized MySQL and PostgreSQL for efficient database management.
- Managed Azure SQL Database instances, ensuring optimal performance and reliability.

### **Education:**

**New Jersey Institute of Technology**

Masters – Computer Science

**September 2022 – December 2023**

**University of Mumbai**

Bachelor of Engineering – Computer Engineering

**August 2010 – May 2014**