



Devashish Kureel

DevOps Engineer

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Objective

Seeking a challenging & growth-oriented position in DevOps so that with my result-oriented approach, zest to learn new technologies and a strong drive to meet customer needs, can prove to be an asset to the organization.

Experience Summary

- Currently associated with Siemens Industry Software India Pvt Ltd as DevOps Engineer and architected production ready CD/CI pipeline for automated deployments and responsible for maintaining & optimizing underlying cloud infrastructure.
- Having around 6 years of experience in DevOps, Public and Private cloud administration & Linux server administration.
- Commendable experience in configuration & management of Red Hat Open Stack, Amazon Web Services (AWS), Cloud Infra Automation using Ansible, Terraform and AWS CloudFormation, Linux server administration, Middleware Technologies, Servers and applications monitoring.
- Having sound knowledge of managing cloud infrastructure for Web Server, Application Servers, Database Servers and Load Balancers along with other DevOps tools.
- Sound knowledge on administering Jenkins/GitLab for continuous integration and build automation.
- Earned **Red Hat Certificate of Expertise in Ansible Automation (EX407)**, **Red Hat Certified System Administrator in Red Hat OpenStack (EX210)**, **AWS Certified Developer Associate (DVA-C00)**, **Red Hat Certified JBoss Administrator (EX248)**.

DevOps Tools

- **Continuous Deployment / Integration** : Jenkins, GitLab
- **Infrastructure as a Service (IaaS)** : AWS, OpenStack, GCP
- **Automation** : Ansible, Terraform, AWS CloudFormation
- **Containerization Tool** : Docker
- **Container Orchestration Tool** : Kubernetes
- **Scripting** : Bash, Python
- **Source Code Management (SCM)** : Git, SVN
- **Build Tools** : Gradle, Maven
- **Web Servers** : Nginx, Apache
- **Application Servers** : Tomcat, JBOSS
- **Load Balancers** : ELB, ALB, HA Proxy
- **Databases** : RDS, PostgreSQL, MySQL
- **Queues & Cache Administration** : RabbitMQ, Memcache
- **Virtualization Platforms** : VMWare, Virtual Box, Vagrant
- **Logging** : CloudTrail, Loggly, ELK, Graylog, log4j
- **Search Server** : Elasticsearch
- **Ticketing Tool** : Atlassian JIRA, Manage Engine, Zendesk
- **Documentation** : Confluence, Redmine, Wiki
- **Operating Systems** : Red Hat Linux, Ubuntu, Microsoft Windows
- **Monitoring Tools** : New Relic, Pager Duty, Librato, CloudWatch, Datadog, Pingdom

Employment Details

Siemens Industry Software India Pvt. Ltd.

May 2018 – Till Date

Designation: Software Engineer

Role: DevOps Engineer

Scope: CI/CD pipeline administration & cloud operations

Client: Siemens customers

Responsibilities:

- Worked on providing support in onboarding Siemens customers to consume logging service to manage their routine and historic logs using ELK stack.
- Observing data inflow to tenant specific Kinesis streams and monitoring load on Elasticsearch domains.
- Provided support to developers in dockerizing the application code.
- Responsible for deploying microservices in Amazon ECS.
- Managing AWS cloud infrastructure using AWS CloudFormation and Terraform.
- Worked on creating and optimizing Gitlab CI/CD pipeline and troubleshooting issues.
- Worked on implementing Auto DevOps feature in GitLab with Google Kubernetes Engine (GKE) with integrated Slack channel notification support.
- Responsible for end-to-end sprint deployment and accommodating hotfixes on production whenever required.
- Provided support to development team in handling the changes in Gitlab pipeline for expected results and tune the pipeline for better operational visibility.
- Responsible for conducting security audits on AWS accounts.
- Implemented identity federation in existing AWS cloud infrastructure using credentials from corporate Active Directory.
- Cost optimization of AWS accounts while monitoring underutilized resources.
- Monitoring production alerts on PagerDuty and took necessary action to resolve them.
- Carried out planned events to eliminate various security vulnerabilities from existing infrastructure.
- Attending scheduled client calls to understand requirements for various feature upgrades.
- Responsible for documenting DevOps related activities and any production change on Confluence.

CloudCover Consultancy Pvt. Ltd.

Sept 2017 – May 2018

Designation: Associate DevOps Engineer

Role: DevOps Engineer

Scope: Automation/Administration of build pipeline

Client: Shaadi.com

Responsibilities:

- Responsible for providing end-to-end CD/CI solution to client.
- Architected production ready CD/CI pipeline with minimal deployment time.
- Responsible for continuous deployment of microservices in periodic sprints.
- Maintaining docker images on AWS ECR and auto-scaling of containers.
- Cost optimization of existing cloud infrastructure.
- Setting up the new cloud infrastructure using Terraform.
- Automating routine activities using Ansible.
- Responsible for executing POCs for the client as and when required.
- Responsible for maintaining and optimizing GitLab runner with high availability and low lost.
- Routine security audits of existing cloud infrastructure and to troubleshoot VPN issues.
- Server hardening and security patching of existing infrastructure.

Designation: System Engineer**Role:** DevOps Engineer**Scope:** Build and release management on production servers**Client:** HYLA Mobile, formerly eRecyclingCorps

Worked on a client project of leading Telecommunication application for 24X7 shifts along with on-call support to provide error free production environment. The client is working with Agile integrated with an operation, having a great pace of development and production deployment and being the part of DevOps team, I work for below responsibilities:

Responsibilities:

- Working with Agile methodology practice and successful integration of operations (DevOps), resulted from frequent deployments without error.
- Application setup and configuration of non-production and production environment using CI/CD tools.
- Create Ansible scripts to automate the current infrastructure.
- Managing Database servers and their replications for disaster.
- Automating routine tasks like Database backups-restores using bash is one of the key tasks.
- Automation using Ansible for structure creation, user management over all the servers
- Responsible about deploying weekly releases on production environments.
- Integrate the continuous deployment on non-production and production server environment with the latest branches, have been performed using CI tool Jenkins.
- Responsible of architect level enhancement and changes throughout environment over the servers regarding configuration and resources.
- Created and tested the Disaster Recovery (DR) plans for all the deployments and actions over production servers.
- Storage management with the automated disaster recovery system had implemented.
- Creating and providing effective solution from After Action Review (AAR) report.
- Implementation and suggestion of Log monitoring tools to client ELK stack, Graylog.
- Vulnerability tests and patching the vulnerabilities was the key responsibilities.
- Acknowledgment of alerts and providing the resolution in defined service level agreement (SLA) was the priority task.
- All documentations including process, guidelines, deployment plans, DR plans, and Wiki pages were managed.

Designation: Jr. System Engineer**Client:** HYLA Mobile, formerly eRecyclingCorps**Role:** DevOps Engineer**Scope:** Non-production and production server support, troubleshooting and monitoring**Responsibilities:**

- Provided assistance to DEV and QA teams on routine execution and challenges.
- Web server (Nginx) installation, configuration, tuning and testing.
- Nginx rules modification as per the client requirements.
- Application server (Tomcat) installation, configuration, tuning, clustering, version update and testing.
- Jenkins job creation, shelve, deletion, deployment, scheduling and parameter update as per the client requirement.
- Keeping eye on repeatedly occurring server alerts to narrow down its impact on server performance.
- Bash shell script creation as per the project requirements.
- Production database backup, restoration and vacuum database.
- SQL query execution on production/staging databases as per the client requirement.

- Monitoring long running database queries on production/non-production servers and taking the necessary action to fix them.
- Elasticsearch installation, configuration, version upgrade and testing.
- New Relic plugin installation, configuration and testing.
- Tunnel creation and monitoring their status on Hyla servers.
- Configuring alerts on New Relic for monitoring production, non-production and prod replica servers.

Designation: Linux Trainee

Client: boomrat.com

Role: AWS Cloud Engineer

Scope: Management of AWS EC2 instances & its various services

Responsibilities:

- Load testing of Ubuntu servers & administering the server resources.
- To set security parameters on production servers.
- To set security groups for EC2 instances.
- Keep track of the resource utilization of the production servers.
- Take backup of production server databases in regular intervals.
- To make various AWS metrics ready for alarm monitoring.
- Automating the alert monitoring process.
- Alert monitoring of EC2 instances.
- Worked on managing AWS OpsWorks stacks for better handling of production as well as non-production environment as a code.
- Worked on Vagrant for creating production mimic environment and providing test environment to developers in the form of vagrant file.
- Integration & evaluation of various cloud services of Amazon in Librato.
- To prepare KPI for better understanding of the server performance.

Adecco Flexione Workforce Solutions Limited
(Off roll of Alcatel-Lucent Managed Solutions India Pvt. Ltd.)

Dec 2009 – Nov 2010

Designation: GET

Client: Reliance Communication

Role: Trainee

Scope: Linux server monitoring & alert escalation

Responsibilities:

- Setting Nagios to check health status of new & existing infrastructure.
- Monitoring services, hardware, users load etc.
- Setting and administering New Relic for downtime alerts.
- Setting debug log for installed apps & regular monitoring for issues.
- Log Management - Monitoring, inspecting, configuring and rotating.
- Alert escalation in case of any P1 issue.

Professional Certifications & Trainings

- Red Hat Certificate of Expertise in Ansible Automation (EX407) - Certification ID: 140-032-897
- Red Hat Certification on System Administrator in Red Hat OpenStack (EX210) - Certification ID: 140-032-897
- Red Hat Certification on JBoss Administration (EX248) - Certification ID: 140-032-897
- Red Hat Certified Engineer (RHCE) - Certification ID: 140-032-897
- Red Hat Certified System Administrator (RHCSA) - Certification ID: 140-032-897
- AWS Certified Developer Associate (DVA-C00) - Certification ID: 4BFX9CHCKEQQ1P3X

Academic Qualifications

- Bachelor of Engineering in Electronics & Telecommunication from Priyadarshini College of Engineering recognized by Nagpur University in 2009 with aggregate 68%
- 12th from Kendriya Vidyalaya Ambarnath recognized by C.B.S.E. in 2004 with aggregate 64%
- 10th from Kendriya Vidyalaya Ambarnath recognized by C.B.S.E. in 2002 with aggregate 64%

Personal Details

- Contact Address : Flat No. A-204, Siddhashila Eira Co-Op Hsg. Society, Malwadi Road, Koyte Wasti, Pimpri Chinchwad, Punawale, Pune, Maharashtra - 411033
- Date of Birth : 18th July, 1986
- Gender : Male
- Marital Status : Married
- Passport No. : S7918089
- Languages Known : English, Hindi, Marathi, Punjabi

Declaration

The information furnished above is correct and true to the best of my knowledge.

Date:

Place: PUNE

Yours Faithfully,
Devashish Kureel