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Summary

Skilled DevOps engineer with 5+ years of experience in building high availability systems, automating and optimizing in AWS and on-premise datacenters by leveraging configuration management, CI/CD and DevOps processes.

Experience

IOT83 Pvt. Ltd. (83incs Pvt. Ltd.)

July 2018 - Present

Senior Software Engineer – DevOps

- Moved entire framework (from stateful module like databases to stateless applications)) from simplex to high available infrastructure (virtual machine based). Entire system will be setup using CI/CD with no human intervention.
- Complete understanding of every module in system and inter-relation among them which helps in further optimization.
- Auto discovery and configuration of new services via custom python-based service.
- Blue – Green deployment functionality in place to minimize downtime.
- Entire system moved to Kubernetes which require understanding all system modules and writing configuration from scratch which further reduced operating cost by 50% and deployment time by 60%.
- System scales up and down as per number of requests in AWS environment.
- Separate system working in isolated environment (no outside access/ in house secure solution) using docker compose.
- Hardening of base image (ISO) to mitigate security vulnerabilities.
- Full responsibility of managing the system and junior team members.

Saksoft Pvt. Ltd. (on site Colt technologies)

July 2017 - June 2018

Senior Software Engineer

- Centralized configuration system in place to replace file-based management.
- Replaced batch processing system with live processing to speed up ticket processing.
- CI/CD setup to mitigate manual effort for creating and deploying binaries.
- Done POC on Terraform, AWS for maintaining all infra as code.

Nextag Pvt. Ltd.

August 2015 - July 2017

Software Engineer

- Automated several tasks using shell script which in turn sent compiled report to all stakeholders.
- Migrated all microservices from Cassandra to Aerospike across all DC's which helped in achieving 99th percentile of <2ms, resulting in 40% improvement in load time
- Aggregation of logs of fronted and backend via Fluentd and visualized metrics using Kibana.

- Upgradation of tech tools like Kafka/Zookeeper/Cassandra/Aerospike to latest available versions.
- Capacity planning of middle tier micro services which reduced resource usage by 70 percent(approx.) hence the cost optimization.
- Troubleshooting including Root cause analysis (RCA), taking Corrective Actions & exploring future preventions for operational live site issues.
- Web page testing to check load time of website(s).

Wipro Pvt. Ltd.

February 2015 – August 2015

Intern

- Exposure to bash scripting in Linux environment.
- Automated basic tasks and gained platform experience

Education

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| • Bachelor of Technology, Computer Science | 2015 | 79.46% |
| • Central Board of Secondary Education XII | 2011 | 79.40% |
| • Central Board of Secondary Education X | 2009 | 83.33% |

Skills

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|-------------------------------|--|
| • Scripting language: | Python, Shell Scripting |
| • Version Control System: | Git |
| • CI/CD: | Jenkins, Gitlab |
| • NoSQL Database(s): | Cassandra, Aerospike, MongoDB, Elastic |
| • SQL Database(s): | MySQL, Timescale |
| • Monitoring/Log Aggregation: | Nagios, Kibana, Grafana, Logstash, Fluentd |
| • Containerization: | Docker, Kubernetes |
| • Big Data Tools: | Kafka, Storm, Hadoop |
| • Configuration Management: | Consul, Zookeeper |
| • Infra: | AWS, vSphere |
| • Others: | Helm, Jira, Confluence, Rancher, Terraform, OpenWhisk, Nexus, VerneMQ, Nginx, ArgoCD |