

Nikunz Koppula

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PROFESSIONAL SUMMARY

- DevOps Engineer with 3+ years of experience in AWS/Build and Release Engineering/Linux administration and implementing DevOps methodologies in various environments Windows, UNIX and Linux servers which include DEV/SIT/UAT/Staging/Production along with espousing cloud strategies.
- Expertise in Confidential AWS cloud which includes services like EC2, S3, VPC, ELB, EBS, Glacier, RDS, Aurora, Cloud Front, Cloud Watch, Security Groups, Lambda, Code Commit, Code Pipeline, Code Deploy, DynamoDB, Auto Scaling, Route 53, Red shift, CloudFormation, CloudTrail, OpsWork, Kinesis, IAM, SQS, SNS, SES
- Experience and knowledge of IaaS, PaaS and SaaS implementing Private and Hybrid Cloud solutions like Confidential Web Services (AWS), Google Cloud Platform, Rack Space, Cloud Foundry, Open Shift,...etc.
- Expertise with Linux Administration, Configuration Management, Build and Release Management in all phases of software development life cycle (SDLC) - Waterfall, Agile/Scrum process including Analysis, Design, Development, Implementation, Integration, Testing, Production, and Maintenance in Enterprise Applications.
- Proficient with containerization technologies like Vagrant, Docker based container deployments to create shelf environments for dev teams and containerization of environment delivery for releases.
- Experience in setting up the life cycle policies to back the data from AWS S3 to AWS Glacier, Worked with various AWS, EC2 and S3 CLI tools.
- Expertise in writing new plugins to support new functionality in Terraform.
- Experience in setting up EC2 instances, security groups and Setting up databases in AWS using S3 bucket.
- Experience working on several Docker components like Docker Engine, Hub, Machine, creating Docker images, Compose, Docker Registry and handling multiple images primarily for installations and domain configurations.
- Expertise in implementing a production ready, highly available, fault tolerant Kubernetes infrastructure. Working on Scheduling, deploying, and managing container replicas on a node cluster using Kubernetes.
- Experience in System Administration System Builds, Server builds, Installs, Upgrades, Patches, Migration, Troubleshooting, Security, Backup, Disaster Recovery, Performance Monitoring and Fine-tuning on UNIX Red Hat Linux Systems.

TECHNICAL SKILLS

SDLC:	Agile, Waterfall
Collaboration tools:	Confluence, Slack, MS Teams, Webex
IDE:	Visual Studio, Git Bash, Atom
Programming Languages:	JavaScript, jQuery, C#, C++, C, HTML, CSS, Spring, Struts, REST
Version Control:	GIT
Monitoring:	Prometheus, Splunk, Zabbix, Cloud Watch, Cloud Trail, New Relic, Datadog
Vulnerability Management:	Qualys,
ITSM Tool:	Jira service management, ServiceNow, Asana
Networking:	TCP/IP, DNS, DHCP, VLANs
Technical skills:	Jenkins, Shell scripting, Maven, Oracle, SQL, Selenium, Nexus, Apache, Postgres, Tomcat, Nginx, Postman, AWS CLI, SonarQube, SSH, Putty, Docker Registry, Any desk, TeamViewer, AWS Cost Explorer, AWS Budgets, RDP, IIS, co-pilot
Operating Systems:	Windows Server (2012,2016,2019,2022) Linux (Red Hat, CentOS, RHEL)
Cloud Platform:	Amazon web Services, Azure
Provision tools:	Terraform, Ansible, CloudFormation
Application Framework:	JAVA, Asp.Net Web Forms
Build Tools:	MAVEN, MS Build
Web Technologies:	HTML, CSS, XML, PHP, JSP
Security:	Snyk, Firewalls, intrusion detection/prevention systems (IDS/IPS), SSL certificates
Virtualization:	VMware ESIX

WORK HISTORY

Jr. DevOps Engineer

Moneris Solutions, Ontario, Canada

April 2020 – Now

Key Responsibilities:

- Using Ansible Tower and worked on Ansible playbooks to manage Web apps. To automate within the AWS cloud, we cooperated with Terraform DSL.
- Worked on Create the automated build and deployment process for application, re-engineering setup for better user experience, and leading up to building a continuous integration system for all our products.
- Created Clusters using Kubernetes and worked on creating many pods, replication controllers, services, deployments, labels, health checks and ingress by writing YAML files.
- Designed edge security on AWS by choosing appropriate AWS and/or third-party edge services such as WAF, Cloud Front and Route 53 to protect against DDoS or filter application-level attacks.
- Dealt with organizations AWS accounts, verified security of their root user and investigated an Amazon EC2 instance's inability to access a given AWS resource.
- Implemented Docker Maven Plugin in maven pom to build Docker images for all Micro services.
- Wrote an Ansible role combined with Terraform and Terragrunt will and deployed an Elastic Beanstalk application environment.
- Cost optimization for Aws services and built Server less Architecture by using Lambda functions, STEP Functions, Athena, Glue, S3, Cloud Watch and Cloud Metrics.
- Wrote Python Scripts to stop all the instances with a specific tag using Lambda function.
- Worked on AWS Lambda, AWS API Gateway, AWS Cognito, AWS Connect, AWS Cloud9, and AWS Appsync.
- Participated in weekly release meetings with Technology stakeholders to identify and mitigate potential risks associated with the releases.
- Managed, configured and maintained Ec2 instances, ELB, RDS, ElasticCache, SNS etc.
- Automated server/database backups using (snapshots/AMI images).
- Developed build and deployment scripts using MAVEN as build tools in Jenkins to move from one environment to other environments.
- Developed Perl and shell scripts for automation of the build and release process.
- Performed periodic system audits on all environments to ensure that only controlled versions of software reside in all environments.
- Using Dynatrace analyzed application performance while doing testing and used Dynatrace API's to create dashboard and reports for few applications.
- Experienced in cloud automation using, AWS cloud Formation Templates, Chef and Puppet and implemented multiple CI/CD pipelines.
- Configured and deployed patched upgrade bug Ansible to fixes on both physical and virtual Red Hat Linux servers using satellite server-based Linux tools.
- Configured Red Hat satellites, Red Hat capsules and made them available for consumers and internal production systems.
- Created, deployed, configured and administered Virtual Guest operating systems within VMWare ESX.
- Monitored SaaS performance and conducted regular audits, identifying and addressing performance bottlenecks to deliver optimal service experiences.
- Performed investigation, analysis, reporting and escalations of security events from multiple sources including events like intrusion detection, Firewall logs, Proxy Logs, Web servers.
- Indexed logs from Data Lake on Elastic search using spark for visualization on Kibana. Performed data analytics using Elastic search, Log stash, and Kibana (ELK) to aggregates millions of lines of logs from Cloud DVR components into actionable, and human-readable dashboards.
- Installed and Configured the Nexus repository manager for sharing the artifacts within the company.
- Managed Amazon Web Services like EC2, S3 bucket, RDS, EBS, ELB, Auto-Scaling, AMI, IAM through AWS Console and API Integration with Puppet Code.
- Used VMware, VSphere, VCenter to create VMs and managed these VMs on various ESX hosts.
- Configured and administered web servers WebLogic, WebSphere, Tomcat and JBoss.
- Monitoring application performance with APM/Diagnostics tools such as, AppDynamics, Dynatrace and Splunk, AWS cloudwatch.

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Application Support Specialist

Apotex, Toronto, Canada

Feb 2020– March 2021

Key Responsibilities:

- Optimized the performance of web applications to ensure fast load times and smooth user experience.
- Worked with APIs to fetch and display data from backend services.
- Staying up to date with the latest frontend development trends, technologies, and best practices.
- Contributing to the overall development process, including requirements gathering, sprint planning, and project estimation.
- Managed multiple customer cases simultaneously, while maintaining high levels of customer satisfaction troubleshoot, and identify/resolve issues related to service and product offerings.
- Designed, implemented and deploying core platform infrastructure and services across all environments.
- Managed incidents as they occur and perform root cause analysis.
- Written quality, clean and maintainable code in Terraform.
- Provided day-to-day operational support of all infrastructure system, supported 24/7 production systems, including being part of an on-call rotation.
- Maintained system patches/upgrades to ensure for high availability, reliability and improved performance.
- Maintained documentation related to infrastructure design and implementation.
- Managed the configuration and review of infrastructure logging, alerting and monitoring.
- Participated in weekly release meetings with Technology stakeholders to identify and mitigate potential risks associated with the releases.

EDUCATION

Masters in Biotechnology

TRAININGS

- DevOps Agile Methodology.
- Blue-green Deployment.
- Continuous integration continuous delivery.
- AWS Certified cloud practitioner-(Amazon Web Services, 2022).
- AWS solutions architect and AWS dev-ops (in progress).
- AWS security best practices