

Professional Summary

Around 5 years of experience as a DevOps Engineer having good knowledge on managing server infrastructures and involving administration of mission critical, high availability environments. Proven ability to create and deliver solutions tied to business growth, organizational development, and systems/ network optimization. Skilled problem identifier and trouble-shooter, comfortable managing systems, projects, and teams in IT industry.

- Demonstrated expertise in Amazon Web Services (AWS) and Microsoft Azure, utilizing a range of services including EC2, VPC, S3, IAM, RDS, and more.
- Hands-on experience in deploying various operating systems across Linux, Windows, and macOS environments on cloud instances.
- Utilized Ansible as a powerful configuration management tool to automate routine tasks, deploy critical applications efficiently, and manage changes seamlessly.
- Authored Ansible Playbooks using YAML with SSH wrapper to configure AWS nodes, tested on AWS instances, and implemented them for provisioning Dev, QA, and Pre-Prod servers.
- Skillfully installed and configured Jenkins on Linux and Windows systems, orchestrating end-to-end automation for streamlined development workflows.
- Effectively utilized Azure DevOps for seamless collaboration, configuring projects and automated pipelines to achieve efficient CI/CD processes.
- Utilized Terraform to automate infrastructure provisioning tasks, including setting up Virtual Private Clouds (VPCs), EC2 instances, Auto Scaling Groups (ASGs), Elastic Load Balancers (ELBs), security groups, and more.
- Contributed to a comprehensive infrastructure-as-code (IAC) approach, enhancing efficiency and maintainability.
- Demonstrated the ability to troubleshoot complex cloud systems, identified underlying issues and implemented preventive measures.
- Employed systematic approaches for root cause analysis, ensuring high availability and performance of cloud-based solutions.
- Profound understanding of Docker and its components, including Docker Engine, Docker Hub, and image creation, contributing to efficient application deployment and management.
- Designed and implemented robust data integration pipelines, facilitating smooth data transfer and synchronization across multiple systems and platforms.
- Ensured data consistency, accuracy, and accessibility through meticulous pipeline design.
- I actively engaged in Scrum ceremonies, including daily stand-ups, sprint planning, sprint reviews, and retrospectives.
- Contributed to team alignment, continuous improvement, and effective project management within an Agile framework.
- Extensive experience with build tools like MAVEN, MS Build, and ANT.
- Proven ability to collaborate effectively within teams, showcasing excellent interpersonal skills and understanding the demands of 24/7 system maintenance.

- Demonstrated commitment, motivation, and dedication to achieving project goals.
- Successfully proposed and implemented enhancements in cloud architecture and processes, contributing to increased operational efficiency and optimized resource utilization.

Technical Skills

Operating system	Linux (RedHat, Ubuntu, CentOS, Solaris), Windows, MAC
Automation (CI-CD) and Configuration Management	Jenkins, Bamboo, Azure-DevOps, Ansible, Docker, Kubernetes
Cloud Services	Amazon Web Services: AWS EC2, S3, ELB, Auto scaling, Elastic Beanstalk, CloudFront, Cloud Formation, Elastic Filesystem, ECS, RDS, VPC, ECR, Route53, Cloud watch, Cloud trail, IAM, SNS, EKS, ELK Microsoft Azure Cloud: Azure Functions, API management, Key-Vaults, Web-app, ARM Templates, Traffic Manager, App Services, Alerts, Active Directory, Monitoring, Resource Manager, Virtual Machines, Azure Storage, Firewalls. Google Cloud
Build Tools	Maven, Ant, MS Build
Application / Web Servers	Web Logic, Apache Tomcat, JBoss
Version control tools	GIT, Subversion (SVN), Bit-bucket, Azure Repos
Database System	MS SQL Server, Dynamo DB, MySQL
Scripting	Bash Shell, PowerShell, Python, Ruby, Groovy, Go (Golang)
Monitoring Tools	Nagios, Cloud Watch, Splunk, AppInsights, PagerDuty, Data Dog
Containerization	Docker, Docker-Compose, AWS ECS, AWS EKS, AKS, Kubernetes
Artifactory	Azure Artifactory
Programming Languages	C#, Java, .NET
Soft Skills	Risk Management, Research and Analysis, Planning, Teamwork

Professional Experience

MedAvail Tech. INC Mississauga, ON - DevOps Engineer | Nov 2020 – Present

- Led the design and implementation of fully automated CI/CD pipelines using Azure DevOps, resulting in a 30% reduction in software delivery time. Created pipelines for rapid deployments on PROD and QA environments, ensuring efficient release cycles.
- Proficient in deploying and managing containerized applications using Azure Kubernetes Service (AKS).
- Expertise in leveraging Azure Blob Storage for scalable and cost-effective storage of unstructured data, including images, videos, and backups.
- Proficient in deploying, managing, and scaling web applications using Azure App Service, ensuring high availability and fault tolerance.
- Collaborated with the QA team, providing crucial assistance in resolving deployment and MC-related issues. Conducted knowledge-sharing sessions to empower team members in performing initial issue analysis and troubleshooting.
- Implemented container orchestration best practices, including scaling, load

balancing, and automated deployments for improved application reliability and performance.

- Implemented image versioning and access control policies to maintain a structured and secure container repository.
- Implemented ELK Stack (Elasticsearch, Logstash, Kibana) version 7 for comprehensive monitoring and log management, providing critical insights into system behavior and performance.
- Installed and configured Filebeat on all servers to ensure seamless log shipping and centralized log analysis.
- Skilled in troubleshooting and resolving scheduling conflicts and dependencies to maintain smooth workflow operations.
- Experienced in creating, modifying, and monitoring job schedules to meet business requirements and deadlines.
- Demonstrated exceptional monitoring skills by overseeing deployment pipelines, as well as vigilantly monitoring the performance of Pleasant Password Server and YubiKey systems. This proactive approach ensured system stability and quick issue resolution.
- Played a pivotal role in the Engineering Team's success by implementing various changes and add-ons to their tools as per project requirements. This collaborative effort aligned the tools with specific needs and enhanced overall performance.
- Revolutionized the Help-desk Team's workflow by designing and implementing a dedicated pipeline for Rendering service restarts. This initiative effectively eliminated dependence on external support, boosting the team's autonomy and efficiency.
- Instituted a proactive Build Retention strategy, conducting bi-weekly clean-up activities to remove outdated builds from the build server. This resource saving measure significantly contributed to an optimized server environment for developers.
- Orchestrated the seamless migration of on-premises servers to Google Cloud Platform (GCP), ensuring minimal disruption and leveraging cloud scalability for enhanced performance and efficiency.
- Leveraged Ansible and Terraform to streamline deployment and configuration processes, resulting in considerable time and resource savings while maintaining consistent infrastructure provisioning.
- Scripted customization using Bash, PowerShell, and Python to tailor products and projects to specific requirements. These scripts enhanced functionality and efficiency.
- Developed comprehensive documentation and provided training for smooth knowledge transfer to support and operations teams, facilitating effective ongoing management and maintenance of solutions.
- Utilized Agile methodologies to ensure seamless integration and rapid feature release.

BMO - Toronto, ON - DevOps Engineer | Jan 2020 – Nov 2020

- Administered Jenkins for managing Build, Test, and Deploy processes with SVN/GIT.
- Automated weekly releases using ANT/Maven for Java code compilation and Maven Repository integration.
- Installed and managed Red Hat Enterprise Linux 7.X and CentOS, including package

installation and patch management.

- Configured AWS VPC networks and Direct Connect for optimized performance.
- Led migration of services from managed hosting to AWS, covering design, network, data migration, automation, and documentation.
- SonarQube QG was checked with shell script for each module and each microservice was onboarded to sonar.
- Automation of GITLAB/SONAR/JENKINS/JIRA rest APIs was done where I have received appreciation emails.
- Maintained the build servers of Jenkins where we had docker installed which converted the Jar into image.
- Kubernetes manifest file design as per the development teams was handled where we had various kinds of deployments, daemon set, services etc.
- Troubleshooting the pod deployment along with RCA was performed.
- Set up AWS resources like VPC, EC2, S3, IAM, EBS, Security Group, Auto Scaling, and RDS.
- Implemented cloud security solutions to ensure system integrity and confidentiality.
- Managed AWS infrastructure with Ansible, Puppet, and custom-built tools.
- Worked with Chef for server bootstrapping, automation, and management.
- Developed Python scripts for monitoring and managing services across multiple servers.
- Utilized Docker for containerization, including Docker file creation, container snapshots, and DockerSwarm deployment.
- Created and managed S3 buckets, implemented storage policies, and worked with Glacier for AWS storage and backup.
- Used JIRA for project creation, user permissions, and notifications, tracked progress against milestones and addressed potential issues proactively.

Hammero Technologies Inc., India - Build Release Engineer | May 2015 – Aug 2017

- Designed and implemented automated Linux infrastructure on CentOS and AWS, migrating applications from Windows.
- Utilized AWS CloudFormation templates for VPCs, subnets, NAT, and security products.
- Managed scalable infrastructure on AWS and performed configuration management with Ansible and Puppet.
- Designed the terraform scripts from scratch for various AWS components.
- Collaborated with dev teams to gather requirements and based on which the scripts were written.
- The terraform state files were maintained by our team in the S3 bucket.
- The CDNs, API Gateway and the ACM design was done and implemented to give the E2E flow for the applications.
- Led the development and deployment of a Slack chatbot leveraging Python and Node.js, integrated with the Hubot framework. The chatbot addressed diverse use cases, including Kubernetes and MMS requests, JIRA ticket creation, and user-related queries.
- Developed and maintained CI/CD pipelines, streamlining the software development life cycle.

- Enhanced team efficiency by automating deployment processes using Ansible, Jenkins, ANT, and Maven
- Created custom alerts and dashboards in Splunk to proactively identify and address performance bottlenecks and security incidents.
- Explored and integrated new tools for process automation.
- Automated user management using Python scripts and integrated JIRA with Git for release notes and issue tracking.
- Imported and managed corporate applications in Git repositories.
- Assisted in troubleshooting and optimizing cloud systems for performance and availability.