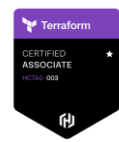# Rushabh Patel

DevOps Engineer | Site Reliability Engineer | Cloud Engineer

E: patel.rushabh0125@gmail.com | P: +1 3658055461 | L: www.linkedin.com/in/rushabh19/ | L: Toronto, CA

Professional Summary

- With over **3+** years as **a DevOps Engineer, proficient** in **designing**, **deploying**, and **managing applications** on AWS, ensuring highly available, and fault-tolerant systems
- Expertise in containerization and orchestration using **Docker** and **Kubernetes**, enhancing application portability and scaling across multiple environments
- Hands-on experience in key AWS services, including **EC2**, **S3**, **Lambda**, **RDS**, **VPC**, and others, with a focus on cost optimization and robust security implementation
- Proficient in CI/CD using **Jenkins**, **Github Actions**, **Azure DevOps**, **Terraform**, and **AWS CloudFormation**, enabling the automation of build, test, and deployment pipelines for enhanced efficiency and scalability
- Versatile in leveraging **AWS Lambda** for **serverless architectures** and managing containers using **ECS**, **EKS**, and **Fargate**, utilizing **IAM**, **VPC**, **VPN**, **Security Hub**, and **GuardDuty** to enhance scalability and ensure security
- Extensive experience in using monitoring tools like **CloudWatch**, **Azure Monitor**, **Grafana**, **Prometheus**, **Nagios**, **ELK**, **Dynatrace**, and **Datadog** to identify and mitigate system performance issues proactively
- Expert in scripting with **Python** and **Bash** on **Linux** systems, facilitating task automation and enhancing operational efficiency
- Experienced in Site Reliability for high-traffic applications, a solid understanding of Service level objectives (**SLO**), Service Level Indicators (**SLI**), and **SLA**, and sound knowledge of the implementation
- Specialized in **migrating** large-scale applications and **databases to the cloud**, conducting thorough planning, execution, and post-migration optimization to enhance operational efficiency and scalability
- Competent in configuring and managing **AWS network services** such as **Amazon VPC**, **Route 53**, **Direct Connect**, and **AWS Transit Gateway**, **Service Now** enhancing network reliability and performance
- Demonstrated proficiency in using **AWS CloudWatch**, **AWS X-Ray**, and **AWS Cost Explorer** to effectively monitor and optimize resource utilization, achieving a substantial reduction in infrastructure costs.
- Expertise in securing cloud environments using encryption **AWS KMS, IAM policies**, and **hybrid architectures**, alongside protocols like **OAuth** and **SSL/TLS** for secure data transmission.
- Well-versed in **Agile** methodologies, actively collaborating with **cross-functional** teams and **stakeholders** to enhance software development lifecycles through iterative development, **continuous feedback**, and **adaptive planning**

Technical Skillset

- **Cloud Services**: EC2, ECR, Lambda, API Gateway, ECS, VPC, S3, VPN, VPC Peering, Endpoints, CloudWatch, Auto Scaling, IAM, Load Balancers, Auto Scaling, CloudFront
- **Infrastructure Automation:** Terraform, AWS CloudFormation, Ansible
- **Containerization:** Kubernetes, Docker
- **CICD Tools:** Jenkins, Git, GitHub Actions
- **Scripting Languages:** Python and Bash
- **Monitoring Tool:** CloudWatch, Grafana, Prometheus, ELK, Dynatrace, Datadog
- **Databases:** SQL, MySQL, DynamoDB
- **Atlassian Tools and Others:** Jira, Agile, Confluence, Splunk, IaaS, PaaS, SaaS, SLA, SLO, SLI

Education & Certifications

- **Master's** In Cloud Computing at Northeastern University   **Sept 2022 - March 2023**
- **Bachelors** in computer science at R. N. G. Patel Institute of Technology   **July 2016 - Aug 2020**
- HashiCorp Certified: Terraform Associate (003)
- AWS Certified Solutions Architect – Associate
- AWS Certified Cloud Practitioner

Work Experience

DevOps Support Engineer **RBC, Vancouver** **April 2023 – Present**

- Designed, implemented, and maintained CI/CD pipelines using Jenkins, GitHub Actions, and Azure DevOps, ensuring secure and compliant software deployments for banking applications, reducing deployment time by 40%.
- Managed and supported containerized applications using Docker and Kubernetes, optimizing scalability and reliability in a highly regulated financial environment, improving load handling by 50%.
- Provided L2/L3 production support for critical banking applications, troubleshooting CI/CD failures, deployment issues, and system outages, reducing downtime by 60%.
- Developed and automated infrastructure monitoring using Prometheus, Grafana, and ELK Stack, enabling real-time tracking and ensuring 99.9% system uptime for mission-critical banking services.
- Administered cloud and on-premises infrastructure using AWS while enforcing strict security policies, SOC 2, PCI-DSS, ISO 27001)—enhancing security and reducing compliance violations by 30%.
- Implemented security best practices by configuring IAM policies, role-based access control (RBAC), encryption standards, and vulnerability scanning, reducing security incidents by 50%.
- Automated deployment processes, log rotation, and system health checks using Python, Bash, and PowerShell scripts, reducing manual intervention by 70% and improving operational efficiency.
- Managed and optimized artifact repositories using JFrog Artifactory, Nexus or secure storage and retrieval of banking application binaries, reducing build failures by 20%.
- Utilized Ansible and Terraform to automate infrastructure provisioning, ensuring consistent and compliant deployments across banking data centers and cloud environments.
- Collaborated with cross-functional teams, including SRE, security, and development teams, to enhance system performance, security, and deployment efficiency, reducing issue resolution time by 35%.
- Maintained detailed documentation, runbooks, and compliance reports, ensuring audit readiness and reducing onboarding time for new team members by 30%.

Software Developer **Colourtex Ind Ltd, India** **Dec 2020 - Aug 2022**

- Developed, tested, and debugged SAP modules using ABAP, enhancing system reliability and reducing errors in custom SAP applications.
- Provided end-user training on module pool programs, improving system adoption and reducing support tickets related to system usage by 25%.
- Designed and implemented a report generation program, enabling real-time insights for stakeholders and increasing on-time decision-making by 20%.
- Authored comprehensive BAPI documentation and provided integration support, accelerating integration project timelines by 40% and improving cross-team collaboration.