

Meet Shah

Lead DevSecOps (Cloud Chapter Lead)

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SUMMARY

A seasoned engineering leader with over 15+ years of experience in spearheading complex digital transformation initiatives within high-stakes Cloud environments. Expert in designing and deploying scalable, secure, and compliant infrastructure across diverse cloud platforms including Azure, AWS, GCP and Oracle. Proven track record in leading DevSecOps practices, enhancing operational efficiencies, and driving the integration of cutting-edge technologies to meet rigorous industry standards, particularly within payment solutions. Certified in multiple Cloud, Security and DevOps disciplines, I bring a strategic vision and a robust technical acumen to optimize IT operations and achieve business goals. Expert in reducing and automating testing and release cycles, significantly accelerating time-to-market. In addition to DevSecOps, I'm very interested in leading and designing end-to-end hybrid cloud solutions. Passionate about mentoring teams and fostering a culture of technical excellence and innovation through Scrum and Agile ways of working.

CERTIFICATIONS

- **Microsoft Certified:** DevOps Engineer Expert | Microsoft Azure Architect Technologies | Microsoft Azure Admin Associate | Azure AZ-900 Fundamental Certified | Azure AI Fundamentals | Microsoft DevOps Solutions
- **AWS:** AWS Certified DevOps Engineer - Professional | Certified Solutions Architect – Associate
- **GCP:** Big Data and Machine Learning Fundamentals | Core Infrastructure | DevOps Architect Expert
- **Oracle:** Oracle Cloud Infrastructure Foundations 2020 Certified Associate | AppDynamics Certified Associate Performance Analyst | Certified Jenkins Administrator
- Certified Kubernetes Administrator | Terraform Associate
- Certified Customer Success Manager

SKILLS

- **DevOps:** CI/CD (Jenkins, Bamboo, CircleCi), Terraform, Ansible, Docker
- **SecOps:** Prisma(PaloAlto), Qualys, Quay, Veracode, Azure defender, CrowdStrike, Synk
- **Orchestrations:** OpenShift, Kubernetes, AKS Engine, Mesosphere, DC/OS, Docker Swarm, Sensu
- **Cloud:** AWS, Azure, GCP, Sophos, Salesforce, Oracle, Alibaba
- **APM & Log Monitoring:** AppDynamics, Datadog, Grafana, New Relic
- **Incident Management:** Service Now, PagerDuty, JIRA
- **IaC:** Terraform, Cloud Formation, Azure ARM, Puppet
- Agile Project Management, Scrum Expert, bringing teams to a high level of performance

EXPERIENCE

Network International

Lead DevSecOps (AVP Cloud Chapter)

Oct 2020 – Present

- Spearheaded the **digital transformation** of legacy applications, architecting and driving the deployment of modern tech solutions to enhance scalability and security.
- Engineered and implemented a customizable **whitelabeled payment gateway** infrastructure, integrating white-label solutions to support unique client branding needs.
- Developed a multi-service hybrid cloud platform using **Kubernetes** (AKS, EKS and OKE), streamlining the onboarding of digital solutions and enhancing operational efficiency.

- Architected robust, **zero-trust security** frameworks that ensure PCI-DSS compliance, mitigating vulnerabilities across solutions.
- Automated cloud infrastructure in Azure and Oracle environments using **Terraform** and **Ansible**, enhancing deployment efficiency and reliability.
- Integrated **DevSecOps** best practices into the CI/CD pipeline, bolstering compliance management and operational security.
- Designed an observability framework for **cloud-agnostic applications**, managing third-party integrations to optimize system performance and **reliability**.
- Implemented a production-grade **APM** solution for hybrid cloud applications using **Prometheus**, **Grafana**, and PagerDuty, enhancing monitoring and alerting at the microservice level.
- Established rigorous security protocols for build and deployment processes, ensuring compliance with banking and payment industry standards.
- Architected security and integrity frameworks for in-house applications, both on-premises and cloud-based, utilizing solutions like Anchor and Prisma Cloud to safeguard data.
- Engineered automated vulnerability management routines for container images, incorporating CIS benchmarking to precede the deployment of in-house solutions.
- Conducted effort estimation and requirement analysis, measuring resource bandwidth and establishing SLAs and KPIs to support production goals.

Emirates Group IT

Lead Site Reliability Engineer, DevOps Role

April 2019 – Oct 2020

- Directed the design and support of a container-based production environment, enhancing business transaction applications with **Kubernetes** and **OpenShift** technologies, showcasing leadership in enterprise-grade solution deployment
- Conceptualized and delivered a comprehensive APM solution for hybrid cloud applications, elevating alerting and monitoring capabilities at the microservice level using **AppDynamics**, **Splunk**, and **ServiceNow**, reflecting my capacity for complex system integration.
- Managed AWS and **Akamai** services, ensuring optimal collaboration and access control, facilitating secure and efficient microservice interconnectivity, indicative of my ability to oversee critical cloud-based services
- Led requirement gathering initiatives for build, test, deploy, and release processes, harnessing **automation** platforms to **streamline operations**, demonstrating my role in enhancing development lifecycle management.
- Orchestrated the establishment of automated testing, building, and deployment processes, leveraging **Jenkins** and **Bitbucket** integration, underscoring my strategic approach to CI/CD pipeline optimization
- Pioneered the design of a DataStream pipeline for **AI/ML**-based user recommendation systems, utilizing vision-based **AI models** to extract insights, exemplifying my forward-thinking in **data-driven** product enhancement.
- Guided the deployment of microservices to Kubernetes clusters on AWS, employing kops, Ansible, and Terraform for refined automation practices, reinforcing my role in advancing **cloud infrastructure management**.
- Create **Synthetic** and **APM Based Monitoring** solutions for Web-Based Portals with measurements of SLA and Production KPI supporting Mechanism.

eInfochips (An Arrow Company)

Sr. Software Engineer, Lead DevOps Role

Oct 2016 – Apr 2019

Client: Verizon Inc

- Championed the orchestration of container-based microservices, leveraging Mesosphere and **DC/OS** technologies to streamline service deployment and operations.

- Directed the automation of deployment processes within a microservice environment, utilizing the Mesosphere framework to enhance CI/CD **workflows** and accelerate product delivery.
- Architected and implemented robust Continuous Integration/Continuous Delivery systems, integrating Jenkins pipeline plugins and a suite of tools to refine development pipelines.
- Built Continuous Integration/Continuous Delivery systems using the Jenkins pipeline plugin and other tools.
- Crafted and standardized Ansible, Puppet, and **Python** scripts for configuration management, driving deployment orchestration with an emphasis on reproducibility and automation best practices.
- Set up high availability solutions like load balancing, auto-scaling, and replications for disaster recovery with AWS

Sophos

Sr. Software Engineer, CloudOps Role

Dec 2015 – Oct 2016

- Oversaw the lifecycle of hybrid cloud solutions, from design and development to deployment and optimization, showcasing my comprehensive leadership in cloud operations.
- Spearheaded the implementation of CI/CD pipelines, orchestrating Jenkins/Bamboo, Git, Ansible, and AWS CloudFormation to streamline development processes and enhance delivery speeds.
- Monitored AWS Infrastructure and Services using tools like CloudWatch, CloudTrail, and Logic Monitor.
- Integrated Git, Jenkins, and Salesforce to establish Continuous Integration/Continuous Delivery.
- Automated manual tasks through bash/python scripting like install/upgrade/backup/restore etc.

Namo Namah Enterprise

Cloud Engineer

Aug 2011 - Nov 2015

- Led a technical support team offering strategic solutions to enterprise clients in the healthcare sector, elevating the resolution process and customer satisfaction.
- Mastered and disseminated comprehensive knowledge of the Software Development Life Cycle, guiding teams through each phase to ensure optimal software delivery.
- Pioneered the design of self-healing architectures, utilizing immutable infrastructure and serverless frameworks to ensure high availability and minimize downtime.
- Orchestrated the integration of AWS services such as Cognito, S3, DNS, and Route 53, enhancing portal functionalities and user experience.

EDUCATION

Ph.D., Computer Science, Gujarat University – Ongoing

Master of Technology (M.TECH.), Networking and Cloud Technology, Gujarat University – 2014

Bachelor of Engineering (B.E.), Electronics and Telecommunication Engineering, Sardar Patel University – 2011

VOLUNTEER EXPERIENCE

Dept of Computer Science

2015 - 2019

- Industry Instructor for guiding MTech Students to utilize Cloud Tools and Technology and Career Guidance

RESEARCH PUBLICATIONS

- Study on 6LoWPAN Routing Protocols with SD aspects in IoT

PERSONAL DOSSIER

- Gender: Male | Marital Status: Married | DOB: Feb 10, 1990