SAWAN CHOUKSEY

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PROFESSIONAL SUMMARY

Cloud DevOps Engineer with **7 x Microsoft certified in Azure Cloud, 2 x Google certified in Google Cloud Platform (GCP)** with **5.6+ years** hands-on experience for contributing, automating, and optimizing mission critical deployments in **Microsoft Azure, Google (GCP) & Amazon (AWS) cloud,** leveraging configuration management, CI/CD tools and DevOps processes. Extensive working experience in Banking, Retails and E-Pharmacy project.

EXPERIENCE

Senior Consultant – Deputy Manager   **2023 – Present**
DevOps Cloud Digital Transformation Expert

Deloitte South Asia LLP, India
- Project – Mercedes Benz - Research and Development, India
  - Managed and provisioned Azure infrastructure using Azure Portal, Terraform, and ARM templates to ensure scalable and reliable cloud environments.
  - Configured and managed Azure Kubernetes Service (AKS) clusters for deploying and maintaining containerized applications in integration and production environment.
  - Developed and integrated Playwright and API test automation within Jenkins CI/CD pipelines for continuous quality assurance and faster releases.
  - Automated Windows-based tasks and deployments using Python, PowerShell, and Batch scripts, leveraging Task Scheduler for scheduled execution.
  - Administered MSSQL Server and Windows Active Directory Domain 2022, ensuring database integrity, security, and access control.
- Project - Thanos | Axis Bank ltd.
  - Spearheaded the optimization of the deployment pipeline by implementing Jenkins, Groovy scripts, and shared libraries, bitbucket resulting in a 30% reduction in deployment time.
  - Orchestrated the seamless deployment of banking applications across multiple environments (QA, SIT, UAT, hotfix, and production) using Kubernetes (k8s), ensuring consistency and reliability in the release process.
  - **Reduced project time by 60%** through automated upgrading and development of tools like nginx upgrade, install using Ansible and CI/CD Jenkins.
  - Collaborated with cross-functional teams to troubleshoot and resolve cloud-related issues promptly. Providing critical support to the banking project's cloud team.
  - Developed proactive monitoring and alerting mechanisms. Actively participated in root cause analysis and debugging, swiftly resolving issues related to deployments, infrastructure, and application performance.

- Project - Manipal e-pharmacy
  - **Implemented a robust CI/CD pipeline** on GCP Cloud Build, integrating with source code repositories and artifact registries, **resulting in a 60% improvement in deployment speed and reliability.**
  - Spearheaded the implementation of a robust CI/CD pipeline using GCP Cloud Build, seamlessly integrating with source code repositories and artifact registries.
  - Orchestrated Kubernetes (k8s) deployments across development, UAT, and production environments, ensuring consistent and reliable application delivery. This approach not only facilitated scalability but also allowed for efficient rollbacks and updates.

- Managed and optimized the database infrastructure, employing Postgres as the primary database solution for ensured data integrity, security, and high availability.
- Implemented Redis as a caching mechanism to accelerate data retrieval, minimizing latency and enhancing overall system responsiveness.
- Implemented and configured advanced monitoring solutions on Google Cloud Platform (GCP), including Cloud Monitoring and Logs Explorer. Established proactive alerting mechanisms, enabling the early detection and resolution of potential issues.
- Work with the operations team to define & implement best practices for log management and cloud monitoring, enhancing overall system reliability and performance.
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- Project – Titan Company
    - **Optimized deployment workflows** on AWS using Code Build, Code Commit, RDS, ECR, S3, and shell scripts, **resulting in a 40% reduction in deployment time** across dev, UAT, and production environments.
    - Implemented and optimized deployment workflows for a Retail project using AWS Code Build, Code Commit, RDS, AWS ECR, S3 bucket and shell scripts, across dev, UAT, and production environments.
    - Utilized Kubernetes (k8s) for container orchestration, ensuring consistent and reliable application deployments while leveraging shell scripts to automate deployment tasks, enhancing efficiency and minimizing manual errors with Cloud watch, lambda functions.
    - Designed, implemented, and maintained scalable and reliable cloud infrastructure on AWS, utilizing AWS Network Load Balancer and AWS Application Load Balancer to ensure optimal distribution of network traffic across application components.

DevOps Cloud Engineer   **2020 - 2023**
Tata Consultancy Services, India
- Project – Omnistore POS Retail Solution
    - **Streamlined infrastructure management** by provisioning and managing Azure resources (Kubernetes, application gateway, storage accounts, container registry, load balancers) using Terraform, **reducing deployment time by 70%** across QA, Dev, Performance Testing, and UAT environments.
    - Orchestrated the provisioning and management of Azure resources, including Kubernetes (k8s) application gateway, storage accounts, container registry (ACR), and load balancers, using Terraform for efficient and consistent infrastructure as code deployment across QA, Dev, Performance Testing, and UAT environments.
    - Implemented advanced Azure services like Azure Monitor Logs, creating dedicated workspaces for centralized logs management and analysis, ensuring real-time insights into application performance and security across the cloud environment.
    - Established a comprehensive DevOps toolchain for both Azure and on-premises servers, integrating Jenkins, GitLab, Prometheus, Grafana, SonarQube, Anchor, Docker, Terraform, Bicep, and Shell scripting. This streamlined the development lifecycle, fostering collaboration and enabling continuous integration and delivery (CI/CD) for various applications.
    - Demonstrated proficiency in diverse programming languages including Java, Node.js, Maven and Python, leveraging these skills for automation and scripting tasks. Utilized Maven for Java projects, ensuring a standardized build process and artifact management.
    - Integrated security tools such as OWASP dependency check and Anchor into the CI/CD pipeline to ensure continuous security scanning and vulnerability assessments. Implemented SonarQube for code quality analysis, fostering a culture of secure and high-quality code practices across the development lifecycle.

SKILLS

- Cloud Technologies - **Microsoft Azure**, **Google Cloud Platform (GCP), Amazon Web Services (AWS)**
- Container Technologies - **Kubernetes(k8s), Docker**, Padman
- IAC Technologies - **Terraform**, Bicep, CloudFormation, Shell Script, **Python**
- DevOps Tools - **Jenkins, Helm, Git**, GitHub, Gitlab, Bit bucket, SonarQube, Nexus, **Nginx, Flyway, OWASP-Dependency Check**, Burp suite, Anchor, Twist lock, **Prometheus, Grafana, EALFK(Elasticsearch , APM server, Logstash, Fluent bit, Kibana)**,TIG (Telegraf, Influx DB, Grafana), MySQL, **PostgreSQL**, MSSQL, Redis, Lens IDE, Portainer, **Linux(Ubuntu, RHEL, CentOS)**, DevOps Implementation - **Java, Maven, Nodejs, Django, Spring Boot**
- Programming Languages – **Python, Shell Script**

CERTIFICATIONS

- AZ-104 Microsoft Certified: Azure Administrator Associate
- AZ-400 Microsoft Certified: Design & Implement DevOps Solution
- AZ-500 Microsoft Certified: Azure Security Engineer Associate
- SC-900 Microsoft Certified: Security, Identity Fundamentals
- AI-900 Microsoft Certified: Azure AI Fundamentals
- AZ-900 Microsoft Certified: Azure Fundamentals
- DP-900 Microsoft Certified: Azure Data Fundamentals
- Google Certified: Associate Cloud Engineer Certification
- Google Certified: Cloud Digital Leader Certification

EDUCATION

BE, Computer Science & Engineering | CGPA 8.02   **June-2019**
Takshshila Institute of Engineering & Technology, Jabalpur (M.P.)

HSC, Computer Science & Mathematics | Percent 80%   **June-2012**
JNV, Bargi Nagar, Jabalpur (M.P.)

SSC | CGPA 9.8   **June-2010**
JNV, Bargi Nagar, Jabalpur (M.P.)

AWARDS/RECOGNITIONS

- TCS: Star of the Month Award   Oct - 2021
- TCS: The Flash Award   Nov - 2022

LANGUAGES

Hindi, English