Ashish Sarawad

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PROFESSIONAL SUMMARY

Results-Oriented Kubernetes certified (CKA, CKAD) DevOps and DevSecOps Engineer with 3 years of experience in designing secure and optimized CI/CD pipelines for deployments, infrastructure automation, managing containers and secure cloud solutions. Efficient at streamlining workflows and enhancing team collaboration for measurable productivity gains.

WORK EXPERIENCE

DevOps Project Intern: BIDS Pvt Ltd | Bijapur, India   **September 2021 - March 2022**

1. Deployed and managed containerized apps in AWS ECS, **optimizing performance by 35%** and implemented an Application Load Balancer for API redirection.
2. Implemented CI/CD pipelines with AWS Developer Tools (Codebuild, Codepipeline), reducing **deployment time by 25%.**
3. Set up UI in S3 with CloudFront integration, boosting content **delivery speed by 35%** and increasing user experience.
4. Configured monitoring and logging solution with AWS CloudWatch, improving system **observability by 40%** and reducing issue resolution time.

Associate DevOps Engineer: Minfy Technologies Pvt Ltd | Bengaluru, India   **April 2022 - Present**

1. Spearheaded architectural modernization projects, leveraging Terraform, Ansible, and Kubernetes, resulting in a **30% reduction in infrastructure costs** and a **50% enhancement** in system performance.
2. Led comprehensive DevOps transformations, optimizing workflows with Terraform, Docker, and AWS services, resulting in a **20% reduction** in deployment times, achieving a **30-minute average deployment duration**.
3. Automated infrastructure provisioning with Terraform, ensuring high-quality code through continuous integration, optimizing deployment processes, and **eliminating 70% of manual work**.
4. Implemented DevSecOps practices, integrating security **(SAST & DAST)** into CI/CD pipelines and at the application-level automating compliance checks, improving **system security by 60%**
5. Designed a robust continuous integration pipeline, integrating technologies such as CodeCommit, CodePipeline & docker resulted in consistent image builds and a notable **30% improvement in development** cycle speed.
6. Deployed CI/CD pipelines using GitLab and Terraform to configure infrastructure on AWS and store state at GitLab which resulted in **40 % cost savings**.
7. Experienced with monitoring tools such as Prometheus, Grafana, CloudWatch, DataDog, and Nagios to ensure system reliability and performance.
8. Proficient in source code management, adept at resolving challenges, and optimizing automation scripts for enhanced operational efficiency.
9. Extensive experience in various cloud services, particularly AWS; contributed to scalability, reliability, performance, and cost optimizations.
10. Successfully completed project documentation phases and delivered the requirements to the customers.

SKILLS

• **AWS Cloud**	• **Git**	• **CloudFormation**	• **Nexus**
• **Azure Cloud**	• **Python**	• **CodePipeline**	• **Sonarqube**
• **Hashicorp Terraform**	• **Ansible**	• **GitHub Actions**	• **Hashicorp Vault**
• **Jenkins**	• **Maven**	• **Grafana**	• **Figma**
• **Docker**	• **Gradle**	• **Prometheus**	• **Linux, Windows**
• **Kubernetes**	• **Jenkins**	• **ELK, EFK**	• **Scripting (PowerShell, bash)**
• **CI/CD**	• **SQL**	• **GitLab**	• **SAST & DAST**

PROJECTS

Private Space Company

1. Documented customer requirements and proposed solutions, contributing to a streamlined process **efficiency by 40%**.
2. Led the containerization of application microservices and UI (Node.js), resulting in a **30% enhancement** in deployment speed.
3. Constructed Terraform scripts for automated infrastructure deployment, ensuring a **40% reduction in deployment** speed.
4. Implemented robust and secure CI/CD Pipelines using GitHub, Jenkins with **SAST & DAST integrations** for the deployments.
5. Executed cost optimization strategies based on resource consumption, resulting in a **20% reduction** in AWS expenses.
6. Enhanced security using AWS services and other tools to conduct thorough testing, leading to a **40% decrease** in application vulnerabilities.
7. Monitored application performance, ensuring optimal functionality throughout the process using ELK Stack.

ERP System

1. Documented customer requirements, improving understanding of key activities such as quotation, booking, billing, payment, and shipment tracking.
2. Created detailed flowcharts and static webpages, enhancing usability and visual representation of processes to the clients.
3. Led UI/UX prototype development with Figma, addressing challenges for frontend and backend enhancements.
4. Orchestrated the containerization of dotnet application microservices, UI, APIs, and CMS strapi, and conducted dockerized service tests for optimizing performance.
5. Constructed Terraform scripts for automated infrastructure deployment, boosting operational **efficiency by 40%**
6. Implemented diverse CI/CD Pipelines using CodeCommit, CodeBuild, CodePipeline, ECR with SonarQube, trivy Image vulnerability scanning, DAST Intergrations streamlining security with deployments **speed increase by 40%**.
7. Enhanced security using AWS services and other tools, resulting in a **30% decrease** in application vulnerabilities.
8. Contributed to AWS cloud bill optimization efforts, resulting in a **20% reduction** in overall costs.
9. Monitored application and services until stabilization, ensuring optimal performance and functionality throughout the process using ELK Stack and Cloudwatch.
10. Documented comprehensive Runbook and operations manual for customers, providing clear guidelines for operational procedures.

GitLab Modernization

1. Proposed modernization strategies for monolithic GitLab architecture on-premises, leveraging Terraform for dynamic resource deployment and EKS for application deployment, resulting in a **40% increase in application efficiency**.
2. Demonstrated expertise in AMI-GitLab deployment on EKS, resolving critical issues and ensuring seamless operation.
3. Orchestrated integration of GitLab applications on EKS through Terraform and Helm, ensuring seamless communication.
4. Implemented multiple CI/CD pipelines for deploying GitLab & other applications on EKS using Terraform and Helm, **reducing deployment time by 30%** via CodePipeline automation.
5. Designed efficient monitoring stacks with Prometheus for metrics monitoring and alerts, fluent bit & CloudWatch for log management, and Grafana for visualization, improving system **monitoring capability by 35%**.
6. Implemented GitLab runner autoscaling solutions using docker-autoscaler, achieving a **40% improvement in build speeds** for Linux and Windows environments.
7. Successfully transitioned to production phase, completing rigorous testing phases and ensuring system stability.
8. Collaborated on constructing Grafana dashboards and UI design in Figma for the AMI-GitLab Login Page, enhancing user experience and system accessibility.
9. Applied AWS cost-saving plans to optimize cloud bill, resulting in a 15% reduction in overall expenses.
10. Documented detailed Runbook and operations manual for customer reference, ensuring smooth operational procedures and knowledge transfer.

Govt. Firm NHA

1. Led the containerization of WordPress application, integrating a resilient DBaaS using AWS RDS with a Serverless Aurora Cluster, resulting in a **30% increase in system reliability**.
2. Utilized JMeter for load testing, demonstrating robust system performance with a **25% improvement** in response time, while demonstrating scaling database dynamics through CloudWatch Dashboard, resulting in a **20% increase in data handling capacity** and offering valuable insights into system growth and scalability.
3. Implemented a DBaaS monitoring solution with CloudWatch and alarms, enhancing system visibility and **reducing downtime by 90%**.
4. Documented comprehensive runbook and monitoring operations manual, facilitating seamless operational procedures and knowledge transfer for the team.

CERTIFICATIONS

1.	**Certified kubernetes Administrator - CKA**	**July 2024**
2.	**Certified kubernetes Application Developer - CKAD**	**Mar 2024**
3.	**AWS Certified Solutions Architect – Associate**	**Aug 2022**
4.	**HashiCorp Certified: Terraform Associate (003)**	**Nov 2023**

ACHIEVEMENTS

Deliver Outcome **Jan 2024**

Awarded for demonstration of exceptional skills in delivering outstanding outcomes

One Minfy Customer Success Award **April 2024**

Minfy Recognition Award for Customer-Centric in Minfy's Townhall 2k24

EDUCATION

Bachelor's of Engineering **2017 - 2022**

B.L.D.E.A'S Dr.P.G.Halakatti College of Engineering,Vijayapur