Aakash Choudhary

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SUMMARY

Dynamic and results-oriented SRE/DevOps Engineer with 4 years of comprehensive experience in automating infrastructure and optimizing data workflows. Proficient in leveraging cloud technologies such as AWS and Azure, I specialize in Infrastructure-as-Code (IaC), CI/CD pipelines, and container orchestration. My expertise extends to data engineering, utilizing Azure Data Factory, Databricks to build scalable data processing solutions. A collaborative problem solver, I am passionate about driving innovation and efficiency in cloud infrastructure and data management, seeking a role that challenges my skills while contributing to impactful data-driven decisions.

WORK EXPERIENCE

DevOps Engineer, Particle41   Feb 2025 - Present

- Managed cloud infrastructure using Terraform, GitHub Actions, and Helm charts, leading to a 30% improvement in deployment efficiency and infrastructure consistency across environments.
- Deployed and maintained Azure Data Factory and Databricks components, improving data processing reliability by 50% and reducing ETL failure rates.
- Designed and implemented cost-saving strategies for low-traffic or idle virtual machines, achieving up to 40% monthly cost reduction in non-critical workloads.
- Created robust CI/CD pipelines with automated triggers and branching strategies, decreasing deployment time by 50% and enhancing release reliability.
- Integrated SonarCloud and CodeRabbit into the CI pipeline, enabling automated and secure code quality analysis on pull requests, reducing code review effort by almost 80%.

SRE/DevOps Engineer, Sopra Steria India   July 2022 - Feb 2025

- Led and implemented enterprise-wide DevOps initiatives, including migration of on-premises infrastructure to AWS and Azure cloud platforms, resulting in improved scalability and 25% cost reduction through automated resource management.
- Built and optimized CI/CD pipelines with GitLab CI/CD, reducing deployment time by 35%.
- Designed microservices architecture with Docker, EKS/AKS, and Helm, improving availability by 50%.
- Established comprehensive monitoring and observability framework using Prometheus, Grafana, and Datadog, implementing custom dashboards and alerting policies that improved incident response time by 25% and enabled proactive system health management.
- Implemented Infrastructure as Code using Terraform for multi-cloud environments, creating reusable modules and automating configuration management, reducing manual intervention by 50% and achieving consistent infrastructure deployment.
- Developed and maintained automation scripts using Python, Bash, and PowerShell for routine operational tasks, including log analysis and security compliance checks, improving team efficiency by 30%.

Associate Engineer, Indus Valley Partners   Oct 2021 - May 2022

- Developed and optimized SQL Server database schemas and stored procedures, leading to a 15% enhancement in query performance and overall database efficiency.

Technical Skills

Cloud Platforms:	AWS (EC2, S3, VPC, IAM, RDS, ECS, Glue, Lambda, EKS, CloudWatch), Azure (VMs, AKS, Blob Storage, VNets, Azure AD)
Data Engineering:	Azure Data Factory, Azure Data Lake Storage
Infrastructure as Code (IaC):	Terraform (Cloud resource configurations)
Containerization and Orchestration:	Docker, Kubernetes (EKS management), Helm
CI/CD:	Github Action, GitLab CI/CD
Configuration Management:	Ansible (Playbook automation, role management)
Monitoring and Observability:	Prometheus (Monitoring, alerting), Grafana (Visualization), Datadog, Coralogix, Sentry
Scripting/Programming Languages:	Bash (Automation scripting), Java (Automation, development), Python
Version Control Systems:	Git (Version control, branching, merging)
Database Technologies:	SQL (Database management, querying)

Education

Bachelor's Degree in Computer Science and Engineering (CSE), ABESIT   (2018 - 2022)

Certifications

- HashiCorp Certified: Terraform Associate (003) click here
- Microsoft Certified: Azure Fundamentals AZ-900 click here
- AWS Certified Solutions Architect – Associate

Professional Interests

- Passionate about contributing to open source projects and developer communities.
- Enthusiastic about designing and building microservices with a focus on scalability and modularity.
- Actively involved in cost optimization initiatives, including FinOps practices for cloud environments.
- Keen on developing open source tools that improve DevOps workflows and infrastructure efficiency.

Soft Skills

- Effective collaboration with cross-functional teams
- Adaptability to new technologies and challenges
- Resilience in the face of setbacks or obstacles