Sai Hima Bindu Munagapati

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SUMMARY

AWS Certified Developer Associate with 4+ years of experience in DevOps and cloud infrastructure, specializing in AWS services and Linux system management. Proven track record of setting up and optimizing CI/CD pipelines, enhancing security protocols, and automating deployments for seamless scalability. Expertise in Docker, Kubernetes, and AWS services like ECS, RDS, and Lambda, driving efficiency and reliability in cloud-based applications.

EXPERIENCE

Cloud DevOps Engineer   Feb. 2024 – Present
Cloud Digital Technologies   *Dallas, TX*

- Managed hybrid cloud infrastructure by designing AWS environments and integrating with on-premise Ubuntu servers, leveraging auto-scaling and load balancing to maintain system availability during peak loads.
- Administered AWS services, including ECS for container orchestration, RDS for database management, IAM for secure access, and Route 53 for DNS routing, ensuring smooth operations across distributed systems.
- Led a seamless migration of on-premise datacenters to AWS by creating automated provisioning workflows using SaltStack, custom Python scripts, and YAML templates, minimizing manual intervention and downtime.
- Transitioned CI/CD pipelines from Bamboo and Bitbucket to GitLab by developing automation workflows, streamlining containerized builds and enabling faster, more frequent deployments with reduced developer overhead.
- Implemented comprehensive monitoring solutions using Elastic APM and Datadog, setting up customized dashboards and real-time alerts for key services, enhancing service reliability and proactive incident management.
- Automated the build process for custom Android firmware using GitLab CI/CD pipelines, enabling efficient handling of resource-intensive tasks on local infrastructure and improving overall development workflow.
- Developed and maintained Ansible playbooks for automating server configurations, application deployments, and security patching, significantly improving the consistency, scalability, and management of on-premise systems.

DevOps Engineer   May 2023 – Jan. 2024
Devoir Software Solutions LLC   *Chesterfield, MO*

- Assisted in the migration of applications and infrastructure using AWS tools like CodePipeline and CloudFormation, ensuring smooth transitions and maintaining system stability.
- Supported automation efforts for infrastructure deployments using Terraform and ARM templates, collaborating with the team to create consistent environments and streamline configuration tasks.
- Designed and implemented CI/CD pipelines on Azure and AWS, accelerating release cycles by 30% and enabling faster feature delivery to users.
- Collaborated with cross-functional teams to improve application and database performance in AWS, identifying bottlenecks and contributing to optimization under the guidance of senior engineers.
- Developed basic automation scripts using Azure Functions and PowerShell, reducing manual intervention for tasks like data migration and system monitoring, increasing operational efficiency.
- Monitored AWS EC2 instances using GuardDuty and CloudWatch, setting up alerts and ensuring security compliance by adhering to internal security policies.

Linux System Administrator   Oct. 2018 – Dec. 2021
Virtusa Consulting Services Pvt. Ltd.   *Hyderabad, India*

- Configured basic services like file sharing (NFS), printing (Samba), and email (Sendmail) on Linux systems to support daily operations.
- Assisted in moving projects from an older system to a newer, more user-friendly version control system (SVN), ensuring smooth project management.
- Set up network connections to make sure there were no interruptions in service, allowing systems to keep working even if one connection failed.
- Diagnosed and fixed common issues with network services like DNS and DHCP, ensuring that systems could connect to the internet and communicate properly.
- Wrote simple shell scripts to help monitor basic system performance, making system maintenance easier and less time-consuming.

- Managed basic user account setups, ensuring that each user had the correct access to the system and troubleshooting any issues they had logging in.
- Created virtual machines on Linux using basic tools like VMware, helping developers and testers have the environments they needed to work.
- Installed simple monitoring tools like Splunk to help keep track of system logs and identify any issues that needed fixing.

Graduation Assistant   Aug. 2022 – May 2023
Arkansas State University - Mursion   *Arkansas, USA*

- Edited and managed Excel spreadsheets to track student performance and course scheduling, ensuring accurate and up-to-date data for class operations.
- Coordinated with students to provide permissions and access to the *Mursion*platform, facilitating smooth virtual class experiences and ensuring all participants were set up for success.
- Scheduled classes and maintained the student roster, streamlining the process for both faculty and students to enhance operational efficiency.
- Analyzed student feedback and course data to identify areas for improvement in scheduling and access processes, contributing to more user-friendly class experiences.
- Collaborated with faculty to troubleshoot scheduling conflicts and platform access issues, providing timely solutions and maintaining uninterrupted course delivery.
- Assisted in creating reports and dashboards using Excel, giving faculty insights into course engagement and student participation trends, which informed future course adjustments.

EDUCATION

Arkansas State University   Arkansas, USA
Master of Science in Engineering Management   *Jan. 2022 – May 2023*

Pragati Engineering College   Kakinada, India
Bachelor's in Information Technology   *Jun. 2014 – Jun. 2018*

TECHNICAL SKILLS

Operating Systems and Networking: Ubuntu, CentOS, Windows, MacOS, SSH
Cloud and DevOps: AWS (EC2, S3, IAM, VPC, CloudWatch, RDS), Azure, Docker, Kubernetes, Git, GitLab CI, AWS CodePipeline, Jenkins, SaltStack, Pulumi, Ansible
Monitoring and Logging: Prometheus, Grafana, ELK Stack, Elastic APM
Databases and Methodologies: PostgreSQL, MongoDB, Amazon RDS, Agile, Scrum, bash, sh