Vargav Ranjan Sahoo

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OBJECTIVE

DevOps Engineer with 2 years of experience in AWS, CI/CD, and automation. Skilled in optimizing cloud infrastructure and deploying scalable solutions. Eager to contribute to a collaborative team focused on innovation. Seeking to enhance operational efficiency and drive continuous improvement in a challenging environment.

SKILLS

- **Cloud Platforms:** AWS (EC2, VPC, S3, IAM, Elastic Load Balancer, Auto Scaling, RDS, EBS, CloudWatch, CloudFront)
- **DevOps Tools:** Terraform, Docker, Ansible, Kubernetes, Jenkins, Git, GitHub, Maven, CI/CD
- **Scripting Languages:** Shell Scripting, Bash, Python
- **Monitoring & Logging:** Prometheus, Grafana, CloudWatch
- **Project Management:** Jira, MS Office

EDUCATION

- **Synergy Institute of Technology** — *2016 - 2020*
  B.Tech(CSE) — Bhubaneswar, India
- **St.Joseph's School** — *2016*
  12th — Kendrapara, India
- **Guidance English Medium School** — *2014*
  10th — Bhubaneswar, India

EXPERIENCE

Capgemini Technology Services India Ltd. — *Feb 2022 - Feb 2024*
Associate I — Bengaluru, India

- Engineered and maintained scalable AWS infrastructure, resulting in a 30% reduction in deployment time through the use of Terraform.
- Developed and managed CI/CD pipelines using Jenkins and GitHub, streamlining application deployment and minimizing errors.
- Automated repetitive tasks with Ansible, leading to a 20% increase in operational efficiency.
- Deployed and managed containerized applications using Docker and Kubernetes, improving system scalability and reducing deployment times.
- Implemented monitoring solutions with Prometheus and Grafana, reducing downtime by 15% through proactive performance management.
- Collaborated with developers to integrate best practices for code deployment and infrastructure management.

Tech Mahindra Ltd. — *Sep 2020 - Mar 2021*
Associate Customer-Support — Bhubaneswar, India

- Resolved a wide range of customer technical issues, significantly enhancing customer satisfaction through effective troubleshooting and solution implementation.
- Employed systematic problem-solving strategies to diagnose and resolve issues, reducing repeat customer queries by providing clear and concise resolutions.
- Contributed to team efforts in improving customer service metrics by sharing insights and strategies on recurring challenges, leading to streamlined support processes.
- Maintained up-to-date knowledge of Amazon's products and support tools, leveraging this expertise to provide knowledgeable and efficient customer support.
- Collaborated with cross-functional teams to enhance service quality, demonstrating strong teamwork and communication skills.

PROJECTS

• **Project A: [CI/CD Pipeline Setup for Java Application Deployment]** *Feb 2024 - Apr 2024*
Tools: [Jenkins, Maven, Docker, Ansible, Kubernetes]

  ◦ Developed a complete CI/CD pipeline for deploying a Java application on a Kubernetes remote server via Jenkins.

  ◦ Implemented automated code build using Maven integrated with Jenkins, streamlining the build process and reducing manual intervention.

  ◦ Created and installed various tools on the Jenkins server, including Maven, Java, Docker, and Ansible, ensuring a robust and scalable build environment.

  ◦ Configured the Jenkins UI dashboard for DockerHub logging credentials and installed necessary plugins to enhance deployment efficiency.

  ◦ Set up the deployment environment and automated the trigger pipeline by writing Pipeline as Code, enabling continuous integration and deployment.

  ◦ Defined stages and steps for code quality improvement, including:

    ∗ Code Compilation
    ∗ Code Review
    ∗ Code Testing
    ∗ Code Coverage
    ∗ Packaging
    ∗ Build and Publish
    ∗ Deployment

• **Project B: [Deploying a Multi-Tier Website Using AWS EC2]** *May 2024 - Aug 2024*
Tools: [AWS EC2, RDS, Auto Scaling, Security Groups]

  ◦ Developed a scalable multi-tier website architecture by launching EC2 instances with Auto Scaling enabled, ensuring high availability and fault tolerance.

  ◦ Implemented and configured an RDS instance with proper database settings, enhancing the website's data management and performance.

  ◦ Created and configured security groups, networking, and traffic rules between EC2 and RDS, ensuring secure and efficient communication between application layers.

  ◦ Managed storage and scalability requirements, optimizing resource utilization and supporting traffic growth.