ABHIJEET RAJ

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(Open to relocate)

PROFESSIONAL SUMMARY:

DevOps Engineer with **2 years of hands-on experience** in managing and automating cloud infrastructure using **AWS**. Skilled in tools like Kubernetes, Docker, Jenkins, Grafana, and Prometheus to improve system performance and reliability. Experienced in working in Agile teams and focused on delivering high-quality solutions that enhance functionality and user experience.

EDUCATION:

GES RH Sapat College of Engineering, Nashik, India   **July 2023**
 Bachelor of Engineering in Electronics & Telecommunication Engineering (CGPA: 9.4)

S.T. Joseph High School, Patna, India   **April 2019**
 Higher Secondary Certificate (CBSE, 88%)

S.T. Xavier's High School, Patna, India   **April 2017**
 Secondary School Certificate (ICSE, 94%)

WORK EXPERIENCE:

Software Engineer | Realthingks   **July 2023 - Present**
- Implemented **Role-Based Access Control (RBAC)** in Kubernetes to enhance security and manage user and service access effectively across the cluster.
- Developed **Kubernetes CronJobs** to automate regular backups of Jenkins and PostgreSQL databases, **eliminating manual intervention** and ensuring data integrity and high availability.
- Integrated **AWS S3** for secure and scalable backup storage, improving the disaster recovery process.
- Executed **cloud-based deployment** of the Catalog suite using **Docker** and **Kubernetes**, enabling scalable, reliable, and efficient cloud operations.
- Deployed and maintained **JFrog Artifactory** for efficient management of binary artifacts and Docker images, streamlining the CI/CD pipeline
- Implemented and managed a comprehensive **monitoring solution** using **Prometheus** and **Grafana**, including the creation of custom dashboards and alerts to track system performance and health.
- Developed an **alert system** that triggers email notifications in response to specific events, ensuring proactive monitoring and issue resolution.
- **Set up centralized log monitoring** with Grafana Loki and Promtail, improving observability and reducing debugging time by 50%.
- Developed a **Python-scripted web application** integrated with **Jira** for efficient issue tracking, and deployed it using **Docker containers** for scalability and reliability.
- Implemented **Traefik** as a reverse proxy to streamline routing, optimize application performance, and ensure seamless accessibility.
- **Worked in a fast-paced Agile environment**, contributing to the successful delivery of 10+ sprints, and actively participating in daily stand-ups, sprint planning, and code reviews to ensure timely, high-quality feature delivery.

PROJECTS:

Automated Full Stack CI/CD with Infrastructure as Code
- Developed and implemented Jenkins pipelines for frontend and backend applications, integrating Terraform for infrastructure provisioning, SonarQube for static code analysis, and Trivy for security scanning. Automated Docker image creation and pushed to AWS ECR. Enabled continuous deployment (CD) using Argo CD, ensuring seamless and automated deployment processes.

Infrastructure Monitoring with Grafana and Slack Integration
- Designed and implemented a comprehensive infrastructure monitoring solution using Grafana, creating custom dashboards to visualize key metrics such as CPU, memory, disk I/O, and network usage across various environments. Integrated Grafana with data sources like Prometheus to enable efficient real-time data collection and analysis. Configured advanced alerting rules based on performance thresholds and anomalies, and set up Slack integration to deliver real-time alerts to relevant teams, enhancing incident response and collaboration

SKILLS:

- **Programming Languages:** C, Java,Python, Bash
- **Containerization & Orchestration:** Docker, Docker Swarm, Kubernetes, Helm
- **Database Systems:** PostgreSQL, MySQL,
- **Cloud Services:** AWS (EKS, VPC, EC2, S3, Route 53)
- **Infrastructure as Code (IaC):** Terraform
- **Monitoring & Logging:** Prometheus, Grafana
- **Version Control:** Git
- **Operating System:** Linux, Windows
- **Additional Technologies:** RESTful Web Services, Shell Scripting, Reverse Proxies (Traefik)
- **Networking:** TCP/IP, HTTP/HTTPS, DNS,Load Balancing
- **Automation Tools:** Jenkins Pipelines
- **Artifactory & Artifact Management**:JFrog Artifactory

CERTIFICATIONS :

- Git and Github
- Java Course for Complete Beginners