MD KASIF

DevOps Engineer at Worldline Global Services

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Objective:

To leverage 4 years of expertise as a DevOps Engineer to optimize cloud infrastructure, automate deployment pipelines, and enhance system performance using cutting-edge technologies like Generative AI, Google Cloud Platform, AWS, Docker and Kubernetes. Seeking a challenging role where I can contribute to driving innovation, efficiency, and scalability in deployment workflows and infrastructure management.

Professional Experience:

Associate Delivery Consultant
Worldline Global Services
Nov 2021 – Present

Key Contributions:

1. **Cloud Infrastructure Management:**
   - Designed and managed scalable, secure infrastructure on **Google Cloud Platform(GCP)** for mission-critical Pay-Tech applications, ensuring high availability and minimal downtime.
   - Set up automated CI/CD pipeline using Google Cloud Build, Cloud Source Repositories, and Cloud Deploy to streamline build, test, and deployment workflows, ensuring efficient and reliable release cycles.
   - Demonstrated end-to-end deployment skills by deploying a scalable application **on Amazon Web Services(AWS)** using EC2, S3, and Bedrock AI for natural language processing and generative AI demonstrations.
   - Automated provisioning and resource management using **Terraform**, achieving consistency and efficiency in infrastructure deployment.
   - Migrated legacy systems to the cloud, enabling enhanced scalability, performance, and cost savings.
2. **CI/CD Pipeline Automation:**
   - Built and optimized **CI/CD pipelines** using **GitLab CI/CD** and **Jenkins**, streamlining build, test, and deployment workflows.
   - Reduced deployment time by 30% by automating repetitive tasks and ensuring seamless integration and delivery of applications.
   - Integrated security checks and quality gates into pipelines, improving application reliability and compliance.
3. **Containerization & Orchestration:**
   - Deployed containerized applications using **Docker**, enabling consistent development and deployment environments.
   - Orchestrated containerized workloads with **Kubernetes**, ensuring scalability and fault tolerance across production clusters.
   - Implemented Helm charts to simplify Kubernetes deployment configurations and updates.
4. **Generative AI Solutions:**
   - Developed and fine-tuned large language models (LLMs) such as GPT-3 and BERT for domain-specific applications.
   - Leveraged Google Cloud Vertex AI to develop and deploy custom generative language models for customer support automation, reducing response time by 25%.
   - Used AI-driven anomaly detection scripts to proactively identify and resolve potential system performance issues.
   - Deployed scalable AI-generated text and image models on AWS SageMaker and Amazon Bedrock.

5. **Monitoring & Observability:**
   - Designed and maintained **Grafana dashboards** to monitor application performance, system health, and infrastructure utilization.
   - Leveraged the **Grafana** to analyze logs, identify trends, and troubleshoot production issues.
   - Implemented proactive alerting systems to detect anomalies and ensure 24/7 system reliability.
   - Proficient in using **Grafana** and the **Prometheus** to monitor system performance, identify bottlenecks, and implement proactive solutions to improve reliability.
6. **Collaboration & Process Optimization:**
   - Worked closely with cross-functional teams, including developers, QA engineers, and product managers, to align infrastructure and deployment strategies with business objectives.
   - Conducted knowledge-sharing sessions and mentored team members on best practices in **DevOps** and **cloud infrastructure management**.
   - Documented processes, scripts, and solutions to improve team productivity and knowledge retention.

Achievements:

- Successfully deployed and maintained **Payment 2.0**, a flagship Pay-Tech product contributing 70% of company revenue, ensuring secure and seamless transactions for European banking clients.
- Played a key role in improving CI/CD efficiency, reducing deployment failure rates by 98%.
- Enforced Agile methodology to enhance team collaboration and project flexibility.
- Implemented robust code security measures and regulated the merge pipeline, achieving 90% test case coverage. Created Jacoco Coverage report and implemented SonarQube Analysis.

Project Experience:

Payment 2.0 (Current Project)

- **Key Product Contribution:** Played a pivotal role in developing the flagship product that generates 70% of the company's revenue, serving as a critical banking solution for financial institutions across Europe.
- **Codebase Management and Deployment Optimization:** Efficiently managed an extensive codebase and optimized deployment processes utilizing Java, Maven, GitLab CI/CD, and Terraform for infrastructure management.
- **CI Pipeline Development:** Designed and implemented the entire CI pipeline for the project from scratch using GitLab CI, streamlining the development and deployment process.
- **Team Leadership and Knowledge Transfer:** Led a team of 8 members, providing knowledge transfer and mentoring to ensure effective collaboration and productivity under my supervision.
- **Code Quality Management:** Successfully implemented SonarQube Scanner, GitLeaks, and Dependency-Track within the CI pipeline to achieve comprehensive control over the codebase and uphold high code quality standards.
- **Client Interaction and Auditing:** Actively participated in the comprehensive auditing of the software, engaging directly with clients to present findings and demonstrate compliance and quality assurance measures
- **Scalability and Availability Improvement:** Enhanced the scalability and ensured high availability of the software, facilitating secure online transactions across various banking platforms.
- **Promotion to Product Owner:** Elevated to the role of Product Owner for the Delivery of Payment 2.0 software, responsible for defining the product vision and overseeing its successful delivery.

HVP/MCP (Current Project)

- **Managed GCP GKE:** Managed GCP GKE DevOps for microservices using Terraform and Kubernetes, Including Staging/QA environment provisioning.
- **CI/CD:** Implemented and maintained Ci/Cd for 14 Java Microservices and Angular monorepo.

Participation

- **Google Days (Company Tech Event)**: Developed a microservice using Spring Boot and implemented an end-to-end build, test, and deployment pipeline on Google Cloud Platform (GCP), utilizing services such as Cloud Build, Cloud Run, and Cloud Pub/Sub, demonstrating cloud deployment and Microservices architecture skills
- **Company TechForum:** Created an Intelligent Employee Chatbot to assist staff with company policies and employee benefits using **Dialogflow**.

Technical Skills:

- **Programming Language**: Java, Python, PHP, C++, JavaScript.
- **CI/CD Tools**: Jenkins, GitLab. GitHub Actions
- **Cloud Platforms**: AWS (EC2, S3, IAM, VPC, CloudWatch, Sagemaker), GCP (Compute Engine,GKE,Cloud Run, App Engine, Cloud Storage,VPC, VERTEX AI), Microsoft Azure
- **Containerization & Orchestration**: Docker, Kubernetes, Helm, OpenShift
- **Infrastructure as Code (IaC)**: Terraform, Ansible.
- **Generative AI & Machine Learning:** AWS SageMaker, Amazon Bedrock, Vertex AI, Python (Hugging Face, OpenAI API), LLM fine-tuning
- **Scripting & Automation**: Bash, Python, Shell scripting.
- **Version Control & Branching**: Git, GitHub, GitLab(Git Flow, Feature Branching)
- **Monitoring & Logging Tools**: Prometheus, Grafana.
- **Build Tools**: Maven, Gradle, Npm.
- **Code Quality & Security Tools:** Jacoco, Junit, SonarQube(SAST), OWASP ZAP(DAST) and Dependency Track
- **Operating Systems**: Linux (Ubuntu, CentOS, RedHat), Windows, macOS
- **Networking**: TCP/IP, DNS, DHCP, SSH, FTP, HTTP/HTTPS, VPN

Education Details:

- **Bachelor of Technology (B.Tech) in Computer Science Engineering**
  Corporate Institute of Science and Technology, Bhopal | 2020
- **Higher Secondary (XIIth)** | 2016
- **Secondary School (Xth)** | 2013

Certifications:

- **GCP Cloud Associate Cloud Engineer** (Google)
- **AWS Cloud Practitioner**
- **Google Professional Cloud DevOps Engineer**
- **Java Full Stack**
- **DevOps Certification**
- **Career Essentials in Generative AI** (Microsoft & LinkedIn)
- **Google Hackathon 2024**

Declaration:

I certify that the information provided in this resume is true and accurate to the best of my knowledge.

Signature

MD KASIF