Mamtesh Bagade

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Summary

Software Engineer with hands-on experience in DevOps, cloud deployment, and backend API development. Specializes in AWS infrastructure, containerized deployments using Terraform, Docker, and CI/CD automation via Jenkins. Improved sprint reporting efficiency by 60% and reduced manual deployment effort by 40%. Skilled in system monitoring, backend logic design, and Agile collaboration.

Education

B.E. IN COMPUTER ENGINEERING May 2020 – Jun 2023
Modern Education Society College of Engineering, Pune

DIPLOMA IN COMPUTER TECHNOLOGY May 2017 – Mar 2020
Bharti Vidyapeeth Polytechnic, Pune

Work Experience

DevOps Engineer, Cisco – Bangalore, India Aug 2024 – Present
- Developed a dynamic dashboard to visualize regression test results across multiple software releases, enhancing test traceability by **70%.**
- Integrated Jenkins pipelines with PostgreSQL for real-time test data ingestion and analytics, reducing debugging turnaround time by **55%.**
- Automated data parsing and synchronization between CI/CD jobs, minimizing manual log analysis efforts by **60%.**
- Collaborated with DevOps teams to standardize regression metrics, improving reporting efficiency and release visibility across projects.

DevOps Intern, Mactores – Mumbai, India Feb 2024 – May 2024
- Deployed Dockerized applications across staging and production environments, cutting deployment time by **40%**.
- Enabled and optimized **3+ custom Docker-files**, improving container boot time and image size by **20%**.
- Configured Amazon CloudWatch to monitor CPU, memory, and disk usage, leading to a **25% drop** in downtime incidents.
- Supported CI/CD pipeline improvements, reducing build failure rate by **15%** in Jenkins.

Projects

Auto Patching & Hardening – *AWS, Terraform, Python (Boto3), SSM, ASG, Load Balancer*
- Automated Windows OS patching & hardening using AWS SSM and Python, reducing 1-week manual effort to under 1 hour with zero downtime via updated AMI.
- Provisioned secure ASG, Launch Template, and ALB using Terraform IaC; enabled rolling refresh (90% healthy) and auto app deployment from S3 via UserData.

Flight Ticketing Predictor – *AWS Beanstalk, Docker, CLI Tools*
- Designed an AWS-hosted predictive analytics web app using **Docker** containers and **Elastic Beanstalk**, deployed via CLI.
- Estimated deployment costs using **AWS Pricing Calculator**, ensuring cost-effective scaling for test environments.

Skills

- **Programming**: OOP, Java, Python, REST APIs
- **Databases:** MySQL, PostgreSQL
- **Cloud & Infrastructure:** AWS (EC2, S3, RDS, VPC, IAM, Lambda, Route 53, NAT Gateway, Auto Scaling, Load Balancer)
- **DevOps Tools:** Docker, Jenkins, Git, GitLab, Postman, Terraform (Basic)
- **Monitoring:** Amazon CloudWatch, Grafana
- **Practices:** Agile, CI/CD, Sprint Planning, Version Control, Infrastructure as Code [IaC]

Certifications

- **Cisco Certified DevNet Associate**
- **AWS Certified DevOps Engineer –** Udemy
- **CCNA –** Cisco
- **Java –** PrepInsta
- **SQL, Git –** PrepInsta
- **AWS/DevOps –** Fusion Software, Pune