GOTETI BHASKAR PRAVEEN

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EXPERIENCE: -

DevOps Engineer	**TATA Consultancy Services, Mumbai**	**Feb 2022 - Present**

Project General Electric– Key Responsibilities & Achievements

- Designed and implemented automated CI/CD pipelines using Jenkins and GitLab CI, improving deployment frequency by 40% and reducing rollback risks through canary releases and automated rollback mechanisms.
- Provisioned 100+ AWS environments using Terraform and CloudFormation, cutting provisioning time by 90% and eliminating manual configuration drift.
- Deployed and managed 50+ containerized microservices on AWS EKS, enabling seamless 3× autoscaling during production traffic spikes.
- Built centralized monitoring dashboards using AWS CloudWatch, X-Ray, and CloudTrail, reducing incident detection time from 30 mins to under 5 mins.
- Developed and maintained Infrastructure as Code (IaC) modules and reusable templates for internal developer platforms.
- Led cloud cost optimization initiatives, saving ~$50K/month by implementing EC2/RDS rightsizing, auto-scaling groups, and spot instance strategies.
- Enforced IAM least privilege, automated patching via AWS Systems Manager, and passed multiple internal audits with zero non-compliances.
- Integrated security benchmarks such as AWS Well-Architected Framework and CIS AWS Foundations Benchmark into infrastructure reviews.
- Designed and implemented CI/CD pipelines for ML models using GitHub Actions, automating retraining, validation, and SageMaker endpoint deployment.
- Used GitHub Actions to automate ML model training and deployment.
- Deployed machine learning models to SageMaker for real-time predictions and Used Terraform to automate creation of AWS resources like Lambda, S3, and SageMaker
- Contributed to improving Amazon Q's AI assistant through Reinforcement Learning from Human Feedback (RLHF) techniques.
- Improved application workflows using event-driven architectures for GenAI features.
- Utilized AWS CloudWatch for log-based troubleshooting and observability in AI-powered applications and CI/CD workflows.
- Conducted and participated in Organization wide Software Security Trainings & Internal Audits.
- Delivered internal training on Terraform modules, CI/CD best practices, and AWS deployment automation, improving team-wide DevOps maturity.
- Collaborated with developers to embed DevSecOps practices, using tools like SonarQube, and AWS Config Rules for policy enforcement.
- Participated in cross-team SRE initiatives, including runbook creation, incident reviews, and blameless postmortems to strengthen system reliability.

TECHNICAL SKILLS: -

- ❖ **DevOps & Automation:** CI/CD Pipelines (Jenkins, GitLab CI), GitHub Actions, Shell/Python Scripting, Infrastructure as Code (Terraform, CloudFormation), AWS SageMaker, AWS EventBridge, AWS Systems Manager.
- ❖ **Cloud Platforms:** AWS (EC2, S3, Lambda, VPC, RDS, EKS), GCP (IAM, Billing), Multi-cloud Governance, Cost Optimization, Spot Instances, Auto Scaling, CloudTrail, Config.
- ❖ **Containerization & Orchestration:** Docker, Kubernetes (EKS), Helm, Load Balancing, Horizontal Pod Autoscaling, Self-Healing Deployments ❖ **Cloud Security & Compliance:** IAM, Security Groups, AWS WAF, AWS Inspector, Guard Duty, CIS Benchmarks, AWS Audit Manager, Least Privilege Policies, Encryption at Rest/In Transit.
- ❖ ❖ **Monitoring & Observability:** AWS CloudWatch, X-Ray, Splunk, ELK Stack, Custom Dashboards, Log Aggregation, Alerting and Anomaly Detection. **Governance & Standards:** Knowledge of ISO 27001, SOC 2, NIST, AWS Well-Architected Framework, DevOps Maturity Models.
- ❖ **Collaboration & SDLC:** Agile/Scrum, Jira, GitOps Practices, Peer Reviews, Runbook Management, Post-Incident RCA.

ADDITIONAL EXPERIENCES & CERTIFICATION: -

- ❖ AWS Certified Solutions Architect – Associate (Valid through May 2026) – Demonstrated expertise in designing secure, high-performing cloud solutions on AWS.
- ❖ Conducted Internal DevSecOps Workshops at TCS, training teams on CI/CD security, IAM hardening, and AWS best practices.
- ❖ Hands-on with Cloud Security Services: AWS Inspector, AWS WAF, IAM Analyzer, Security Hub, Guard Duty embedding shift-left security into deployments.
- ❖ Received Best Ethical Hacker Award from Software Security Assurance (SSA) Team in TATA Consultancy Services (2022)

❖ EDUCATION: -

- **Bachelor of Technology (B. Tech)** Vishnu Institute of Technology, Bhimavaram **Jun 2017 - Jul 2021**
  Specialization: Electrical & Electronics Engineering, CGPA = 7.59
- **Higher Secondary Certificate - 12th MPC** Tirumala Junior College, AP **Jun 2017**
  Percentage: 98.4 %
- **Secondary School Certificate - 10th** Dr. KKR Gowtham Concept, AP **Jun 2015**
  Percentage: 87 %