DINESH AUTI

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Site Reliability Engineer with 6+ years of experience in building scalable cloud infrastructure, driving CI/CD automation, and enhancing system observability. Skilled in building scalable, secure, and efficient environments using IaC and modern DevOps practices. Proven ability to support infrastructure reliability initiatives, influence architecture decisions, and improve developer workflows in compliance-driven environments such as HITRUST.

EDUCATION

THE UNIVERSITY OF NORTH CAROLINA AT CHARLOTTE, Charlotte, USA   **May 2018**
Master of Science, Computer & Electrical Engineering; GPA - 3.67

SKILLS

Cloud & Infrastructure: AWS, Kubernetes, Crossplane, ECS, EKS, Networking; **IaC & CI/CD:** Terraform, Pulumi, Terragrunt, Helm, GitHub Actions, GitOps, Concord; **Monitoring & Observability:** Prometheus, Grafana, Loki; **Soft Skills**: Technical communication, Team leadership, Customer engagement

PROFESSIONAL EXPERIENCE

AETION   **New York City, USA**
Staff Site Reliability Engineer   **Aug 2018 - Present**
- Contributed significantly to a months-long, multi-team migration of client workloads from ECS to EKS to improve scalability and maintainability; led automation of build and release pipelines, implemented Concord flows for deploying Aetion Evidence Platform (AEP) on Kubernetes, and successfully migrated one of the first clients to the new architecture.
- Engineered and managed Kubernetes clusters with hardened network paths, restricted endpoint access, and policy-driven firewall configurations to support compliance and uptime; leveraged Karpenter for dynamic compute provisioning and efficient capacity optimization.
- Led the deployment of an internal Nexus artifact repository on Kubernetes to replace expensive SaaS tooling; configured SSO for secure access and enabled support for Maven, npm, and PyPI artifacts. Developed a Go-based post-setup automation script to streamline service readiness and ensure consistent initialization.
- Supported the setup and iteration of dynamic, branch-based sandbox environments within shared development Kubernetes clusters; helped developers spin up isolated AEP instances in dedicated namespaces for safe, resource-efficient experimentation. Actively resolved issues and fine-tuned the experience based on developer feedback.
- Built a core library of reusable GitHub Actions that dramatically simplified CI for Java, Node.js, and Python microservices; enabled developers to build, dockerize, and push images to AWS ECR with minimal YAML. Integrated Chainguard base images and Trivy scanning to ensure secure, production-ready artifacts—boosting developer productivity by abstracting away complex pipeline logic.
- Contributed to the rollout and configuration of a comprehensive observability stack using the kube-prometheus-stack Helm chart; enabled system-wide metrics collection via Prometheus, set up Grafana with persistent dashboards and multiple datasources (including Loki for logs and Mimir for long-term metric storage in S3), and supported service-level monitoring with exporters and custom metrics. Actively configured alerting via Alertmanager and helped developers onboard profiling (Pyroscope) and tracing (Tempo) tools to improve visibility across services.

CAPGEMINI   **Mumbai, India**
Senior Systems Engineer   **Feb 2013 - Jul 2016**
- Supported and maintained enterprise infrastructure for MetLife's application suite (200+ .NET apps).
- Rapidly restored critical services during outages, reducing recovery time for 1,000+ users to under 1 hour.
- Applied emergency patching and system hardening techniques to enhance uptime and operational security.

LEADERSHIP EXPERIENCE

Interim Team Lead – Site Reliability Engineering, Aetion, New York City, USA   **Aug 2018 - May 2019**
Guided a 7-member SRE team through infrastructure projects, process improvements, and day-to-day operations.
Docker Campus Ambassador, Docker Inc, Charlotte, USA   **Oct 2017 - May 2018**
Organized Docker training sessions and guided students on integrating containers into development pipelines.

Technology + Business + Design + People