**DINESH KARUPPASAMY**

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# SUMMARY

AWS Certified Solutions Architect with 6+ years of experience in Cloud and DevOps Engineering, specializing in AWS, Kubernetes, Docker, Terraform, and Ansible. Proven expertise in designing, automating, and optimizing cloud infrastructures using Infrastructure as Code (IaC) and modern CI/CD methodologies. Strong background in cost optimization, monitoring, and security compliance (HIPAA). Adept at mentoring teams, collaborating cross-functionally, and delivering scalable, reliable, and cost-efficient cloud solutions.

# CORE SKILLS

* **Cloud Platforms:** AWS (EC2, S3, RDS, VPC, Lambda, EKS, ECS, ELB, IAM, CloudWatch, CloudTrail, Auto Scaling)
* **IaC / Configuration Management:** Terraform (HashiCorp), AWS CloudFormation, AWS CDK, Ansible
* **CI/CD Tools:** GitHub Actions, AWS Developer Tools, Jenkin
* **Containerization / Orchestration:** Docker, Kubernetes
* **Monitoring / Logging:** Prometheus, Grafana, ELK Stack, Sensu
* **Version Control:** GitHub, Bitbucket
* **Scripting:** Python, Shell Script, YAML
* **Collaboration / ITSM:** Jira, ServiceNow | Methodologies: Agile / Scrum
* **Operating Systems:** Linux, Windows (basic)

# PROFESSIONAL EXPERIENCE

* **Cloud Automation Engineer / DevOps Engineer | Trbhi Inc., Coimbatore Apr 2022 – Present**
* Architected and automated AWS infrastructure using AWS CDK (Python) and Ansible, increasing deployment speed by 40% and reducing configuration errors by 30%.
* Led migration of 15+ applications from EC2 to EKS, achieving 99.9% uptime and reducing infrastructure costs by 25%.
* Built and maintained CI/CD pipelines in GitHub Actions and Jenkins, streamlining build, test, and deployment workflows.
* Deployed ELK stack via Docker and Kubernetes, improving observability and reducing maintenance effort by 20%.
* Managed and deployed the observability stack, migrating monitoring from Wavefront to Prometheus for improved visibility and cost optimization.
* Established centralized monitoring with Prometheus and Grafana, cutting MTTR by 30%.
* Implemented and audited IAM security policies, ensuring HIPAA compliance and minimizing access risks by 40%.
* Automated AWS resource lifecycle management, resulting in annual cost savings of 20%.
* **Cloud Operations Engineer | Trbhi Inc., Coimbatore Mar 2021 – Apr 2022**
* Managed AWS EKS and EC2 environments using Ansible for configuration automation.
* Automated operational workflows using Rundeck, ensuring reliable deployments and faster issue resolution.
* Executed zero-downtime upgrades for enterprise clients.
* Collaborated with cross-functional teams to enhance reliability and reduce manual interventions.
* **Cloud & Infra Engineer | Larsen & Toubro Infotech Ltd., Coimbatore Jun 2020 – Mar 2021**
* Deployed and maintained staging and production environments for high-availability applications.
* Automated operational tasks with AWS SSM and Lambda, reducing manual effort by 35%.
* Implemented CI/CD pipelines in Jenkins, reducing release cycles from weekly to daily.
* Coordinated release readiness with development and QA teams, ensuring on-time delivery.
* **Cloud Engineer | PowerUp Cloud Technologies Pvt. Ltd., Coimbatore Nov 2018 – Jun 2020**
* Delivered enterprise-grade AWS automation solutions using EC2, S3, RDS, VPC, Lambda, and Auto Scaling.
* Engineered fault-tolerant and cost-optimized cloud architectures, reducing downtime by 20%.
* Implemented real-time monitoring using Sensu and Grafana, improving SLA adherence.
* Conducted Vulnerability Assessment and Penetration Testing (VAPT), remediating 95% of identified risks.

# CERTIFICATIONS

* AWS Certified Solutions Architect – Associate (2020)

# EDUCATION

* Bachelor of Engineering (Electronics and Communication)
* M.A.M College of Engineering, Trichy, Tamil Nadu | 2013 – 2017

# PROJECT HIGHLIGHTS

* Cloud Cost Optimization Framework – Automated AWS resource lifecycle policies and right-sizing strategies, reducing monthly costs by 20%.
* Kubernetes Migration Initiative – Migrated monolithic applications from EC2 to EKS, improving scalability, reliability, and deployment agility.
* Monitoring Modernization – Deployed Prometheus and Grafana dashboards with integrated alerting, cutting MTTR by 30%.