DINESH KARUPPASAMY

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# SUMMARY

AWS Certified Solutions Architect with 6+ years of experience in Cloud and DevOps engineering. Proven track record of designing, automating, and optimizing infrastructures using AWS, Kubernetes, Docker, Terraform, and Ansible. Adept at building CI/CD pipelines, implementing Infrastructure as Code (IaC), and driving cloud cost optimization while ensuring compliance with security frameworks. Skilled at mentoring teams, collaborating cross-functionally, and delivering scalable, reliable, and cost-efficient cloud solutions.

# SKILLS

**Operating Systems:** Linux, Windows (basic)

**Configuration / IaC:** Ansible, Terraform (HashiCorp), AWS CloudFormation, AWS CDK

**Version Control:** GitHub, Bitbucket

**CI/CD Tools:** Jenkins, AWS Developer Tools, GitOps

**Cloud Platforms:** AWS (EC2, S3, RDS, VPC, Lambda, EKS, ECS, ELB, IAM, CloudWatch, CloudTrail, Auto Scaling)

**Containerization/Orchestration:** Docker, Kubernetes **Monitoring/Logging:** Prometheus, Grafana, ELK Stack, Sensu **Scripting:** Python, Shell Script, YAML **Collaboration/Tracking:** Jira, ServiceNow, Agile/Scrum

**Soft Skills:** Leadership, mentoring, cross-functional collaboration, problem-solving, adaptability

# WORK EXPERIENCE

**Cloud Automation Engineer / DevOps Engineer** Mar 2021 – Present

**Trbhi**, Coimbatore

* Architected and automated AWS infrastructure with AWS CDK (Python) and Ansible, increasing deployment speed by 40% and reducing configuration errors by 30%.
* Spearheaded migration of 15+ applications from EC2 to EKS, achieving 99.9% uptime and cutting infrastructure costs by 25%.
* Developed and maintained CI/CD pipelines using GitHub Actions and Jenkins, automating build, test, and deployment workflows across multiple environments.
* Orchestrated ELK stack containerization with Docker and Kubernetes, improving observability and reducing maintenance time by 20%.
* Established centralized monitoring with Prometheus and Grafana, enabling proactive incident response and lowering mean-time-to-resolution (MTTR) by 30%.
* Enforced IAM security policies and conducted audits, ensuring HIPAA compliance and reducing access risks by 40%.
* Automated AWS resource lifecycle management, achieving cost savings of 20% annually.

**Cloud & Infra Service Engineer** Jun 2020 – Mar 2021

**Larsen & Toubro Infotech Ltd**, Coimbatore

* Directed staging and production deployments for high-availability applications across AWS environments.
* Automated infrastructure operations using AWS SSM and Lambda scripts, reducing manual interventions by 35%.
* Built CI/CD pipelines in Jenkins, reducing release cycles from weekly to daily and improving deployment success rate by 25%.
* Partnered with cross-functional teams to streamline release readiness, ensuring 100% on-time launches.

**Cloud Engineer** Nov 2018 – Jun 2020

**PowerUp Cloud Technologies Pvt. Ltd**, Coimbatore

* Delivered AWS automation solutions for enterprise clients, leveraging EC2, S3, RDS, VPC, Lambda, Auto Scaling, and ELB to build resilient architectures.
* Engineered cost-optimized and fault-tolerant systems, reducing downtime by 20% and saving clients thousands in cloud costs.
* Implemented real-time monitoring with Sensu and Grafana, ensuring SLA adherence and reducing alert resolu- tion times.
* Conducted Vulnerability Assessment and Penetration Testing (VAPT), remediating 95% of identified security gaps.

# CERTIFICATIONS

# AWS Certified Solutions Architect – Associate 2020

# EDUCATION

# Bachelor of Engineering in Electronics and Communication 2013 – 2017

M.A.M College of Engineering, Trichy, Tamil Nadu

# PROJECTS

**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 clusters, improving scal- ability, reliability, and deployment agility.

**Monitoring Modernization** – Implemented Prometheus and Grafana dashboards with alerting pipelines, cutting MTTR by 30% and boosting system reliability.