

RAMAKRISHNAN L

Senior DevOps Engineer

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PROFESSIONAL SUMMARY

Senior DevOps Engineer with 4+ years of experience **building, automating, and supporting** cloud infrastructure, CI/CD pipelines, containerized workloads, and production environments. **Proven ability to** take ownership of technical deliverables, drive deployment automation, troubleshoot production issues, and improve operational reliability **across enterprise applications. Experienced in** multiple environments, production support, cloud security, infrastructure automation, and cross-functional collaboration. **Comfortable** working independently, collaborating and guiding team members, learning and exploring new technologies as a team, and handling clients directly. **Strong AWS** foundation **with practical exposure to GCP and Azure, with a proactive approach to solving unfamiliar technical challenges and adopting new technologies.**

TECHNICAL SKILLS

Cloud Platforms: AWS, Google Cloud Platform (GCP)

Cloud Exposure: Microsoft Azure

AWS: EKS, EC2, ECR, S3, RDS, Neptune, VPC, IAM, KMS, SSM, Secrets Manager, CloudFormation, CloudWatch, Bedrock, Route 53, CloudFront, ACM, WAF, GuardDuty

Kubernetes & Containers: Kubernetes, Amazon EKS, Docker, Docker Compose, Helm, Kubernetes Ingress, AWS Load Balancer Controller

CI/CD & Automation: GitHub Actions, Jenkins, GitLab CI/CD, AWS CodeCommit, AWS CodeBuild, Amazon EventBridge

Infrastructure as Code: AWS CloudFormation, Terraform, Ansible

Monitoring & Observability: Prometheus, Grafana, Datadog, ELK Stack, Loki, Promtail, Wazuh, Kibana

Security & Identity: AWS IAM, KMS, WAF, Secrets Manager, AWS SSO, IAM Trust Policies, Kubernetes Secrets, SSL/TLS, OpenVPN, Burp Suite, Azure Key Vault

Scripting & Automation: Python, Bash, Shell Scripting, Linux Automation

Databases & Data Platforms: MySQL, PostgreSQL, Amazon Neptune, MongoDB, Amazon Redshift, Databricks

Web & Application Technologies: Nginx, Apache, Unicorn, Node.js, FastAPI, Laravel

Version Control & Tools: Git, GitHub, GitLab, Jira, SonarQube

PROFESSIONAL EXPERIENCE

Senior DevOps Engineer — Agilisium Consulting

Sep 2025 – Present

Client: Takeda

- Standardized AWS Dev/Test/Prod infrastructure using 8 CloudFormation templates covering EKS, EC2, Neptune, PostgreSQL, IAM, and KMS; supported Helm, AWS Load Balancer Controller, and Kubernetes Ingress.
- Built GitHub Actions CI/CD pipelines with self-hosted runners for DDA, Ontology, and NOMI, automating code checkout → Docker build → ECR → EKS pod deployment.
- Took additional DevOps ownership for SDG and SDLC, supporting deployments, troubleshooting, operational continuity, and Databricks–EKS integration.
- Conducted AWS, EKS, and CI/CD knowledge-transfer sessions for client and internal engineering teams.

Internal Projects & Initiatives — Agilisium

- Designed an AWS-native CI/CD workflow for Business Insight Assistant: CodeCommit → EventBridge → CodeBuild → ECR → SSM → EC2, automating Docker builds and EC2 deployment using Docker Compose.
- Delivered the complete ECS deployment for WorkforceIQ, covering AWS infrastructure and application deployment on Amazon ECS.

- Led the Summit application deployment to production, covering EC2, RDS PostgreSQL, S3, application configuration, and deployment activities.
- Built GitHub Actions automation with Datadog and Slack integrations for an AWS DevOps Agent POC, enabling CI/CD and deployment/monitoring notifications.
- Supported a secure Azure CI/CD POC, gaining practical multi-cloud deployment experience..

DevOps Engineer — Grouppal India Pvt Ltd

Nov 2024 – Sep 2025

- Deployed and managed high-traffic Laravel and PHP applications on AWS EC2, configuring Apache, SSL/TLS with AWS ACM, and DNS using Amazon Route 53 to support production application availability.
- Built and maintained Jenkins and GitLab CI/CD pipelines with Docker for automated build and container deployment of Node.js and Laravel applications, improving deployment consistency and reducing manual deployment activities.
- Migrated databases from Amazon RDS to AWS Lightsail, **reducing infrastructure costs by 30%** while maintaining application availability.
- Implemented AWS WAF, OpenVPN, IP whitelisting, AWS SSM, and SSL/TLS security controls to strengthen application and infrastructure security; identified and mitigated a live API-level security incident, reducing security exposure and restoring secure application operations.
- Implemented infrastructure monitoring and centralized logging using Prometheus, Grafana, Loki, and Promtail, improving visibility into application and system health.

DevOps Consultant — Freelance

Sep 2024 – Oct 2024

- Built and deployed Dockerized Node.js applications on AWS App Runner with CI/CD pipelines using GitLab and Jenkins, and hosted frontend applications via S3, CloudFront, ACM, and Route 53.
- Assisted with Terraform-based provisioning of AWS infrastructure (VPC, NAT Gateway, Internet Gateway, subnets) for secure, scalable client architectures.

Systems Engineer — Nstore Retech Pvt Ltd

Oct 2021 – Sep 2024

- Automated daily reporting and notification workflows using Python and Bash, saving 200+ minutes per day; received an On-the-Spot Award for delivering the automation initiative.
- Built and maintained Jenkins and GitLab CI/CD pipelines for Android and backend applications; containerized and deployed Node.js, Django, Vue.js, Flutter, and WordPress applications across development and production environments.
- Supported ONDC workloads with MongoDB monitoring and IRCTC systems with MySQL schema design, production rollouts, and query optimization for workloads processing 10K+ transactions per day.
- Managed Google Maps API keys for web and mobile applications on Google Cloud, monitoring API usage and quotas and helping control service consumption and availability.
- Hosted static applications using Amazon S3, CloudFront, ACM, and Route 53, supporting HTTPS, DNS, and content delivery.
- Implemented infrastructure monitoring using Amazon CloudWatch, Prometheus, and Grafana, along with security monitoring using Wazuh, Kibana, and Amazon GuardDuty.

EDUCATION

Master of Computer Applications (MCA) (Online)— Amrita Vishwa Vidyapeetham, **Amritapuri (2026)**

B.Com – Information Technology — Hindusthan College of Arts & Science, **Coimbatore (2021)**

CERTIFICATIONS

- AWS Certified Solutions Architect – Associate (SAA-C03) — Amazon Web Services (AWS) | 2025
- Oracle Cloud Infrastructure & Fusion AI Agent Studio – Certified Foundations Associate — Oracle | 2025
- Networking in Google Cloud: Routing and Addressing — Google | 2025
- Databricks Fundamentals Accreditation — Databricks | 2026
- Google Cloud Fundamentals: Core Infrastructure — Google | 2024
- CCNA: Introduction to Networks — Cisco | 2024
- Cloud Security Professional (CCSP) Training — Simplilearn | 2024