

# RAJA. M

## DEVOPS ENGINEER

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Highly skilled DevOps Engineer with expertise in automating software development processes, optimizing IT operations, and ensuring seamless integration and delivery. Experienced in building and managing CI/CD pipelines, containerizing applications with Docker, and orchestrating them using Kubernetes. Proficient in Infrastructure as Code (IaC) with tools like Terraform and CloudFormation across cloud platforms such as AWS, Azure, and GCP.

## WORK EXPERIENCE

### DEVOPS ENGINEER ENTERKEY SOLUTIONS

Feb 2024 - Present

- Utilized Docker for containerization, Kubernetes for orchestration, and managed Infrastructure as Code (IaC) with Terraform/CloudFormation across AWS and Azure environments.
- Partnered with backend and frontend teams to ensure seamless code integration into production, leveraging Jenkins-based CI/CD pipelines for efficient deployment.
- Monitored system performance using Prometheus and Grafana, implemented proactive alerting mechanisms, and ensured reliability through regular backups and 24/7 on-call support.

### DEVOPS ENGINEER ALTHI SOLUTIONS

Nov 2022 - Feb 2024

- Collaborated with backend and frontend teams to integrate code seamlessly into production, leveraging CI/CD pipelines with Jenkins for efficient deployment.
- Utilized Docker for containerization, Kubernetes for orchestration, and managed Infrastructure as Code (IaC) using Terraform/CloudFormation on AWS and Azure.
- Monitored application health with Prometheus and Grafana, implemented proactive alerting, and ensured system reliability through routine backups and 24/7 on-call rotations.

## RELEVANT SKILLS

- **AWS** – Ec2, Autoscaling, CloudFront, CDK, VPC, Lambda, ECS, R53.
- **DevOps** – Terraform, Ansible, Salt stack
- GIT
- Bit Bucket, GitHub, Code commit,
- Linux System Administration
- Artifactory
- SonarQube
- Jenkins
- AZURE

## EDUCATIONAL HISTORY

**MECHANICAL ENGINEERING**  
University College of Engineering,  
Nagercoil.  
2021

**Diploma in Mechanical Engineering**  
NMS. Kamaraj Polytechnic College,  
Nagercoil  
2018

## PROJECTS

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### Arya now

#### 24/7 Telepsychiatry Solution

Architected secure healthcare system for Arya now's Telepsychiatry on AWS. Designed scalable infrastructure with EC2, VPC, and CloudFormation. Implemented CloudFront for low-latency content delivery. Established robust monitoring and auditing using CloudTrail and CloudWatch. Enhanced security with Amazon Cognito for user authentication and access control. Efficiently managed healthcare data storage with DynamoDB, EFS, and S3. Containerized microservices with Docker for rapid deployment on ECS. Collaborated with external services for streamlined CI/CD, delivering a secure and compliant system.

### Laulama

#### School Administration

Led implementation and management of frontend infrastructure using Terraform for version control, repeatability, and scalability. Utilized Terraform modules to provision AWS resources, including S3, CloudFront, Route 53, and AWS Certificate Manager. Orchestrated creation of S3 buckets for static content storage with high availability and optimized settings for compression and caching. Implemented CloudFront distributions for global content delivery, reducing latency and enhancing user experience. Managed DNS records in Route 53 for proper domain configuration and seamless failover during service disruptions. Secured frontend application by provisioning and managing SSL/TLS certificates through AWS Certificate Manager, enabling HTTPS encryption. Collaborated with frontend development team to streamline deployment process, ensuring automatic reflection of code changes in production. Implemented automated deployment pipelines, integrating Terraform with CI/CD tools for continuous delivery, and conducted routine maintenance tasks for optimal frontend application reliability and responsiveness.

### Startup2Launch

#### Consultancy Software for Employee Hiring and Project Acquisition.

The hiring process for businesses through an intuitive platform. Streamline project acquisition, making it efficient for both clients and consultants. Leverage AWS hosting for a secure, scalable, and reliable system. Implement Jenkins for automated and efficient Enhance deployment processes.