# KIRUBAKARAN A
## DEVOPS ENGINEER

## CONTACT

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## EDUCATION

**2016 - 2020**

**DHANALAKSHMI SRINIVASAN ENGINEERING COLLEGE**

## SKILLS

**AWS** - EC2,S3, VPC, IAM, ECS, ECR, EKS, Route53, RDS, LAMBDA, CloudWatch, SNS, ELB, ASG.

**Azure -** VM, blob storage, VNET, ACR, AKS, RDS, ALB, ASG.

**SCM** - GITHUB.

**INFRAMANAGEMENT** - TERRAFORM, ANSIBLE.

**Security** - SONARQUBE,

**CI-CD** - JENKINS, Github Actions, AZURE DEVOPS

**MONITORING TOOL** - PROMETHEUS, Grafana & CloudWatch.

**CONTAINER & ORCHESTRATION** - DOCKER, DOCKER COMPOSE, KUBERNETES, HELM, INGRESS, ArgoCD.

## LANGUAGES

- ENGLISH
- TAMIL

## PROFILE

A passionate and goal-oriented BE graduate with a strong interest in Cloud Computing and DevOps. I have acquired hands-on experience with AWS and DevOps tools through self-learning and project work. I'm also skilled at creating clear documentation and technical presentations. My problem-solving mindset, adaptability, and eagerness to learn drive me to start a rewarding career in cloud engineering. I bring a positive attitude and a readiness to take onreal-worldchallenges in the tech industry.

## PROJECT

### AUTODISASTER RECOVERY – MULTI-SITE ACTIVE-ACTIVE ARCHITECTURE ( Aws Project )

- Setup a WordPress sitewithEC2,RDS,andLoadBalancer for high availability.
- Used S3 for backups and automated sync between Production and DR.
- Configured Route 53 with a custom domain, SSL, and failover routing.
- Ensured the site stays online with a multi-region disaster recovery setup.

### CI/CD PIPELINE FOR WEB-SITE DEPLOYMENT ( Devops Project )

- Built a student management web application with a frontend, backend, and database.
- Used Docker to containerize the services and Jenkins to automate the build and deployment process.
- Deployed everything on Kubernetes, connecting the backend with a MySQL database and exposing the app using LoadBalancer services.
- Added ConfigMaps and persistent storage so the database is always ready with the required tables.

### Dockerized Microservices E-commerce Application

- Built and deployed a multi-service e-commerce application using Docker.
- Created Dockerfiles for each service to define dependencies and setup.
- Configured a custom Docker network for service-to-service communication.
- Used environment variables to connect services and run them as one complete system.

## INTERNSHIP

### DEVOPSINTERN – HAKUNAMATATA ( JUL 2025 – SEP 2025 )

- Worked on real-time frontend and backend applications, deploying them across Dev, Test, and UAT environments.
- Containerized both applications with Docker and automated deployments through CI/CD pipelines in Jenkins.
- Managed deployments on Kubernetes, ensuring smooth communication between backend, frontend, and database services.
- Used AWS services (EC2, RDS, S3, IAM, Route 53, ECR) to host and manage application infrastructure.
- Troubleshot issues in builds and deployments, collaborating with developers and testers to ensure stable releases.