



GUBBALA LAKSHMAN KUMAR

Devops engineer

My Contact

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Internships

Smart Parking Systems For Smart Cities

Company-Name: Smart Internz

June/2020 – Nov/2020

- The project focuses implementation of vehicles parking place detection using internet of things
- The system benefits of smart parking go well beyond avoiding time wasting
- The proposed system can detect the empty and filling parking slots and useful to avoid accidents, traffic jam and Time wasting issues.

Education Background

- Aditya Engineering College - 7.1 CGPA

Electronics and Communication Engineering, B.Tech

Completed in 2021

- Aditya Junior College - 76 % aggregate.

INTERMEDIATE, MPC

Completed in 2017

- Narayana E-Techno School - GPA 7.3

Completed in 2015

Carrier Objective

- I am looking for an opportunity to use my skills and abilities to make a positive impact on an organization. I am committed to continue learning and willing to take on new technologies.

Experience

Trainee Apprentice, Cyient - Vizag | 2021-2022

- Domain : Telecommunication - Design Specialist
- Project : ROGERS [January - March]
- Activity : Base Map Creation
- Project : WINDSTREAM [April- December]
- Address Validation , Traffic Control Panel[TCP] and Data Clean Up

Devops Engineer, Vaarush technologies- Vizag | 2024-2025

Deployed Java-based applications using CI/CD pipelines with tools like Jenkins, Maven, and Git, ensuring automated build, testing, and deployment workflows.

- Managed containerization of applications using Docker, created Dockerfiles, and orchestrated deployments on Kubernetes/EKS for scalable and reliable environments.
- Implemented and managed cloud infrastructure on AWS using services such as EC2, S3, RDS, IAM, ECR, ECS, and Load Balancers
- SonarQube for static code analysis, integrated with CI/CD pipelines to improve code quality and enforce development standards.
- Monitored application performance using tools like CloudWatch, Prometheus, and Grafana, enabling proactive issue resolution and improved system reliability.

Technical Skills

- Git
- Git hub
- Git lab
- Maven
- Jenkins
- Nexus
- Sonar Qube
- Monitoring tools
- Tomcat
- Argocd
- Terraform
- Docker
- Kubernetes
- AWS (EC2,VPC,S3,Lambda,RDS,ECS,ECR)
- Web Development: HTML, CSS, Bootstrap
- Operating Systems: Linux, Windows
- Databases: SQL Languages: Basic
- knowledge on Python

Projects

JAVA WEB APPLICATION :

- Containerized Java Spring Boot application using Docker and authored Dockerfile for reproducible builds.
- Built container images and pushed artifacts to **AWS ECR** (Elastic Container Registry).
- Configured **ECS** service (Fargate) with task definitions, service definitions, and IAM task role permissions.
- Deployed services behind **Application Load Balancer (ALB)** with health checks and path-based routing.
- Set up autoscaling policies for ECS tasks based on CPU/memory and request metrics.
- Implemented CI/CD pipeline (Jenkins/GitHub Actions/GitLab CI) to build, test, push images to ECR, and update ECS services via CloudFormation/CLI.
- Managed environment configuration via ECS task environment variables / AWS Systems Manager Parameter Store / Secrets Manager.
- Monitored application and infra with CloudWatch logs/metrics and configured alarms for error rate and latency.

TAXI BOOKING :

- Designed and implemented end-to-end CI/CD pipelines using **Jenkins** and **Declarative Pipelines** to automate build → test → quality scan → image build → deploy stages for Java (Maven) microservices.
- Integrated **SonarQube** into the pipeline to run automatic static code analysis and quality gates; prevented merges when critical/blocker issues or coverage thresholds failed.
- Standardized builds with **Maven** (multi-module support), created reproducible artifact versioning, and published artifacts to the internal repository (Nexus/Artifactory – replace with your registry).
- Containerized applications with **Docker** by authoring optimized Dockerfiles, enforced multi-stage builds and image scanning, and pushed signed images to the private registry.
- Automated rolling and blue/green deployments to **Kubernetes (EKS)** using Helm charts
- Implemented automated end-to-end and integration tests in the pipeline .
- Implemented centralized logging and monitoring (**Prometheus, Grafana**) created dashboards and alerts for CPU/memory, error rates, and deployment health
- Supported development teams in deploying Java applications using CI/CD pipelines.

Courses

Done **Devops With AWS (Amazon Web Services)** and
LINUX Course at Teks Academy, Hyderabad

Certifications

Cisco Certified Network Analysis (CCNA)

Automation Anywhere University Certified Essentials (RPA)

Hobbies

I am more reading in books and magazines

Learning New Things and try to gain knowledge

Declaration

I hereby declare that the information provided is true to the best of my knowledge and belief.

G.Lakshman Kumar