

A. Irwin

DevOps Engineer

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Profile

DevOps Engineer with 5+ years of experience in cloud infrastructure, monitoring, automation, and CI/CD. Skilled in AWS, Kubernetes, Terraform, Ansible, and modern DevOps practices. Experienced in building, deploying, and scaling applications across cloud and container platforms while improving operational efficiency.

PROFESSIONAL EXPERIENCE

Sr. DevOps Engineer, Equipo Business Solutions, Thiruvananthapuram 04/2023 – Present

- **Architected and managed scalable AWS infrastructure**, leveraging **Bedrock** for generative AI workloads and **QuickSight** for advanced data visualization and business intelligence.
- **Implemented automated CI/CD pipelines** for mobile and web applications using **Jenkins, GitHub Actions, and Bitrise**, achieving a 100% reliable delivery rate.
- **Orchestrated container workloads** across diverse platforms, including **Amazon EKS, ECS, k0s, k3s, and Docker Swarm**, to ensure high availability and performance.
- **Containerized legacy and modern applications** with **Docker and Podman**, establishing environment parity and enabling seamless horizontal scalability across stages.
- **Collaborated with cross-functional development teams** to streamline automated workflows, significantly improving the speed, security, and reliability of application delivery.

Cloud Support Engineer, Incedo Inc., Chennai 05/2021 – 04/2023

- **Monitored global AWS environments** using **Amazon CloudWatch**, analyzing metrics and logs to maintain peak performance and high availability.
- **Resolved critical infrastructure issues** by providing expert support for core AWS components, including **EC2, S3, RDS, and VPC networking**.
- **Troubleshoot complex cloud service failures** in collaboration with engineering teams, implementing optimizations to enhance long-term system reliability.
- **Engineered automated proactive monitoring** and alert configurations, enabling early anomaly detection and significantly reducing system downtime.

EDUCATION

Bachelor of Engineering in Electronics & Communication, 2014 – 2018
CSI Institute of Technology, Thovalai

SKILLS

Cloud & Infrastructure

AWS (ALB, EC2, S3, RDS, ElastiCache, EFS, Lambda, Bedrock, QuickSight, EKS, ECS, Route53, Cloudfront, Amplify, IAM), k0s, k3s, Docker Swarm

Monitoring & Logging

AWS CloudWatch, Grafana Loki (LGTM Stack), Open Telemetry and Sentry

DevOps & Automation

Terraform, Ansible, Jenkins, GitHub Actions, Bitrise, Docker-Compose, Fastlane (iOS and Android), Kubernetes (Helm, Cilium, EKS)

Software Development

Python, Vault, SQL, Go, Scripting (BASH), noSQL

AWARDS & CERTIFICATES

3x Ace Performer of the Quarter, *Equipo Health*

AWS Certified SAA (2026), *Udemy*

PROJECTS & OPEN SOURCE

loki-django-logger (PyPi Package)

A lightweight logging solution for Django that sends logs to Grafana Loki with gzip compression for performance.

Secure Server Manager

Tool for managing server updates through bastion hosts using Vault, FastAPI, and React.js.

vpn

Rapid VPN deployment setup using Docker Compose with Wireguard and a React.js interface.

monitorHub

Designed a low-resource LGTM (Loki, Grafana, Tempo, Mimir) stack for Kubernetes and Docker Compose.