SANJAI K

214 Mullai Street, Viluppuram, Tamil Nadu 605401

in linkedin.com/in/sanjai-kumar-0500a825b   ○ github.com/SanjaiKumar2311

EDUCATION

St.Joseph's College Of Engineering   **Nov 2022 – May 2026**
Bachelor of Technology in Information Technology   *Chennai,Tamil Nadu*
Cumulative GPA:8.68/10.00

Skills

Programming Languages: : Java ,HTML ,CSS

Technical Skills : Amazon Web Services(AWS), Linux, Networking, MySQL

Tools and Frameworks: Git ,GitHub ,Terraform ,Docker ,Kubernetes ,Jenkins, Prometheus, Grafana

EXPERIENCE

Bot2Do   **October 2024 – February 2025**
DevOps Engineer Intern   *Chennai, Tamil Nadu*
- **Containerization:** Containerized a full-stack app (React + Node.js + MySQL) using Docker and Docker Compose for local development.
- **Cloud Deployment:** Deployed the React app using Terraform on AWS ECS with ECR, improving container scalability.
- Automated backend setup using AWS Lambda + API Gateway via Terraform, enabling serverless operations.

Projects

React Application Deployment on AWS ECS Using Terraform (Github)   **November 2024**
- Tools: **Terraform, Docker, AWS ECS (Fargate), AWS ECR.**
- Problem: **Manual deployments were inefficient and error-prone for microservices-based React applications**.
- Deployed a scalable React application on AWS ECS using Terraform, reducing deployment time by 60% through automation and infrastructure-as-code.
- Integrated Docker and AWS ECR to manage container images, and used ALB to ensure traffic load balancing in a secure VPC subnet.

End-to-End DevOps Pipeline for Java Application with Jenkins and Kubernetes (GitHub)   **December 2024**
- Tools: **Jenkins, Maven, SonarQube, Argo CD, Kubernetes, Git, Docker.**
- Problem: **Manual build and deployment processes delayed feature delivery and increased failure rates.**
- Built a complete CI/CD pipeline using Jenkins and Maven, cutting build failure rates by 40% and ensuring reliable code delivery.
- Integrated SonarQube for code quality checks and automated Kubernetes deployments with Argo CD, enabling GitOps-based release management.

Deploying Netflix Clone on an EKS Cluster (Github)   **January 2025**
- Tools: **GitHub, Jenkins, Docker, Kubernetes, Prometheus, Grafana, and SonarQube.**
- Problem:**Needed a secure, auto-scalable cloud platform to simulate a production-grade deployment and monitoring setup.**
- Deployed a Netflix clone on Kubernetes, using Jenkins and ArgoCD for CI/CD automation, and implemented SonarQube with Dependency Check for enhanced code quality.
- Enabled robust monitoring using Prometheus and Grafana, increasing visibility into system performance and reducing downtime through real-time alerting.

Leadership / Extracurricular

Technical Co-ordinator,AWS Cloud Club

• organized cloud computing workshops and led peer skill development initiatives.

30 Days Cloud Challenges (Linkedin)

• Completed AWS 30-Day Cloud Challenge - mastered core AWS services including EC2, S3, and Lambda.

HackaCloud Event (GitHub)

• Selected as a finalist in college hackathon competition, where I presented innovative solutions among 25 participating teams.

Certification

AWS Certified Cloud Partitioner(CLF-CO2)   *(AWS)*
NPTEL Programming In Java   *(NPTEL)*
Jenkins   *(KodeKloud)*