






Jayant Patil

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Links

 jp2op.site
 github.com/Jp2op
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Education

Bachelor of Technology (BTech), Electronics and Telecommunication Engineering

JD College of Engineering and
Management, Nagpur
2021 - 2025
Current CGPA - 8.9

12th MSBSHSE
SFS college, Nagpur
2021
Percentage - 91%

10th MSBSHSE
St. John's High School, Nagpur
2018
Percentage - 82%

Skills

Technologies

Docker, Kubernetes, Linux, Ansible,
Jenkins, Terraform, GIT, Maven, Bash,
AWS, Prometheus, Grafana,
SonarQube, Trivy

Concepts

Infrastructure as a Code(IaaC),
Containerization, Configuration
management, Continuous integration &
Continuous delivery(CICD), Test
Automation, Linux System
Administration



Familiar with

Nginx, Apache, Redis, RabbitMQ, AWS
CloudFormation, RestAPI,



Experience



- Gift Bucket- DevOps Intern** July - Sept. 2024, Nagpur
- Optimized website performance and ensured **seamless deployment processes** for the Gift Bucket e-commerce platform by implementing **CI/CD pipelines** and **automating infrastructure management**.
 - Monitored and enhanced system reliability using **Prometheus** and **Grafana**, identifying and resolving critical issues promptly.
 - Redesigned and optimized the website, improving user experience, **increasing online sales** by **25%**, and **reducing deployment time** by **20%**.

Projects




- Language Translator Serverless backend AWS** GitHub  | Demo 
- Engineered a serverless language translation backend using AWS Lambda, API Gateway, and S3, automating speech-to-text, translation, and text-to-speech processes through Amazon Transcribe, Translate, and Polly.

- Integrated real-time language processing with a scalable solution leveraging AWS services like DynamoDB for user preferences and automated Lambda triggers based on S3 events for seamless end-to-end translation.
- Optimized performance for low-latency translation by leveraging cloud-native services, enabling the backend to process audio files efficiently, while planning for future offline support to extend functionality.

- Netflix Clone CI/CD with Monitoring** GitHub  | Demo 
- Deployed a Netflix clone web app using the TMDB API and AWS Infrastructure, with Prometheus and Grafana for monitoring and Jenkins for CI/CD automation
 - Built and deployed a Netflix clone app using Jenkins, Docker, and Kubernetes on AWS, leveraging the TMDB API and integrating Prometheus and Grafana for real-time monitoring.
 - Automated security scans for the Netflix clone app with OWASP Dependency-Check and Trivy in a Jenkins pipeline, deploying to AWS with Kubernetes and monitoring with Prometheus and Grafana.

- Blogging App CI/CD Pipeline with Monitoring** GitHub  | Demo 
- Designed and implemented a robust CI/CD pipeline using Jenkins, Docker, and Kubernetes on AWS, ensuring seamless integration, testing, and deployment to Amazon EKS with custom domain assignment.
 - Integrated static code analysis and vulnerability scanning with SonarQube and Trivy, enhancing code quality and security in the development lifecycle.
 - Established comprehensive monitoring solutions using Prometheus and Grafana, enabling real-time tracking of application performance and health metrics.

Certification

- AWS Certified Solution Architect Associate 
- AWS Fundamentals Specialization 
- DevOps Beginners to Advanced with Projects 

Achievements

- Published a research paper titled "**Language Translator Serverless backend AWS**," project introducing a pioneering serverless architecture for language translation using AWS.
- Copyrighted a presentation on "**Language Translator Serverless backend AWS**," project showcasing a groundbreaking serverless architecture for language translation using AWS.