NAVEEN JN

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SUMMARY

Aspiring AWS & DevOps Engineer and 2025 B.Tech Information Technology graduate with practical experience in building cloud infrastructure, CI/CD pipelines, and automation using AWS services, Terraform, Jenkins, Docker, and GitHub. Proficient in deploying and managing scalable applications on AWS (EC2, S3, RDS, VPC, Route 53, CloudFront) with a focus on security and performance. Completed AWS & DevOps training and actively preparing for AWS certification. Seeking an entry-level role to apply cloud and DevOps skills in real-world projects and contribute to automation, monitoring, and infrastructure optimization.

EDUCATION

Kongunadu College Of Engineering And Technology   **2021 - 2025**
Bachelor of Technology, Information Technology

EXPERIENCE

BayesVision   **2023 - 2024**
Front-End Developer Intern
- Contributed to building and improving user-facing website experiences.
- Delivered projects that enhanced website functionality and UI/UX under client supervision.

TECHNICAL SKILLS

- **Technical Skills**: Amazon Web Services (AWS), EC2, S3, RDS, Route 53, CloudFront, VPC, IAM, CloudWatch, Terraform, AWS CloudFormation,JenkinsPipeline,Maven,Docker, Git, Python, Bash, Ubuntu Linux, Windows,Github,Maven,Ngnix,Pm2,Tomcat, Github Action.

- **Soft Skills**: Communication, Time Management, Team Work, Adaptability.

- **AREA OF INTEREST**: AWS Cloud Engineer, AWS Cloud Administrator, Cloud Engineer, Devops Engineer

CERTIFICATES

- **Cloud & DevOps Training:**FITA Academy - (2025) ⍗
- **AWS Certified Cloud Practitioner:**(Expected 2025)

LANGUAGES

Tamil English Hindi

PROJECTS

Static-Website-Hosting-on-AWS: ⍗
- AWS Certificate Manager (ACM) was used to configure an Amazon S3 bucket with static website hosting enabled and integrate Ama -zon CloudFront as a CDN for safe, quick worldwide content delivery with SSL.
- 40% faster website loads were achieved by optimizing cache behavior and managing custom domain DNS routing through Amazon Ro- -ute 53.

Jenkins CI/CD Pipeline for Java Application: ⍗
- Created and automated an end-to-end Jenkins pipeline for Java applications using Docker for containerization, Maven for build and te sting, and GitHub webhooks to initiate deployments automatically.
- Automated test phases to improve code reliability and cut the application deployment cycle time by 40%.
- Troubleshot build and deployment issues across pipeline stages; maintained documentation and operational procedures for CI/ CD workflows.

Two-Tier Application Deployment on AWS with Terraform: ⍗
- Automated scalable provisioning of a two-tier web application stack on AWS using Terraform for infrastructure orchestration, including EC2 instances, an RDS database, and S3 as a a remote backend.
- Configured VPC with private/public subnets, Auto Scaling, and security groups to ensure high availability and security; used CloudWatch to monitor and Route 53 to route DNS requests.

AWS Three Tier Web Architecture: ⍗
- This 3-tier AWS architecture uses Application Load Balancers and Auto Scaling Groups across availability zones. External ALB routes to Nginx-React servers in public subnets, internal ALB distributes to Node.js backends in private subnets with strict security policies.
- This solution combines React frontend, Node.js backend API, and MySQL database for production AWS. Web tier serves React through Nginx, app tier executes Express with bcrypt and RESTful endpoints, and RDS MySQL provides automated failover.
- This project automates deployment through scripts and configuration templates across environments. Cost optimization includes right-sized instances, Reserved Instances reducing expenses by 70%, and CloudWatch monitoring for optimization.