Nandheeswaran M

Assistant System Engineer

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Summary

Proactive IT professional with hands-on expertise in Linux system administration, automation, and support. Skilled in resolving technical issues through efficient ticket management, system patching, and security updates. Strong in automation using Ansible and shell scripting to streamline operations and reduce manual effort. Known for adaptability, problem-solving, and delivering reliable solutions in fast-paced environments.

Experience

System Engineer, *Tata Consultancy Services* — 01/10/2024 – Present, Bangalore, Karnataka

Hands-on experience in Linux server administration, incident/ticket resolution, and system patching. Automated routine tasks using Ansible playbooks and shell scripting, improving efficiency and reducing errors. Ensured system security and compliance through regular updates, while collaborating with teams to deliver timely solutions.

Education

SSLC - Maths/Biology, *Srv Boys Higher Secondary School* — 01/05/2020, Namakkal, Tamil Nadu
Percentage: 84

Bachelor of Engineering - Electronics and Communication Engineering, — 01/05/2024, Pollachi, Tamil Nadu
Dr. Mahalingam College Of Engineering And Technology, Anna University
CGPA: 8.9

Skills

- linux
- kubernetes
- ansible
- solution architect - associate
- jenkins
- ec2
- s3
- ecs
- docker
- shell script
- aws
- git
- vpc
- load balancer
- lambda
- rds, aurora

Language

- Tamil
- English

Awards

Learning Achievement Award
- Recognized with a Learning Achievement Award for exam excellence.

On-the-Spot Award
- On-the-Spot Award for demonstrated technical expertise and knowledge.

Projects

Design of MIMO Antenna for 5G Mobile application
Implemented a project on Multiple-Input Multiple-Output (MIMO) antennas for 5G applications, focusing on simultaneous transmission and reception using multiple antennas to enhance data rates and network capacity. Demonstrated how MIMO enables spatial diversity, interference cancellation, and improved signal quality, leading to better coverage and performance in next-generation mobile networks.

DevOps Workflow on AWS EC2
Developed and deployed a complete DevOps pipeline on AWS EC2 for a static website, integrating Jenkins, Docker, Ansible, and Git to automate build, deployment, and configuration processes. Implemented continuous integration and delivery using Jenkins with Git-based triggers, enabling seamless updates from code commit to deployment. Used Docker to containerize the website for consistent environment setup and Ansible for configuration management across servers. The project showcased strong practical skills in DevOps automation, cloud infrastructure management, and end-to-end deployment workflows.

Automated CI/CD Pipeline Implementation Using DevOps Tools
Built and automated an end-to-end DevOps CI/CD pipeline on AWS EC2, integrating Bitbucket, Maven, SonarQube, Nexus/JFrog Artifactory, Docker, Ansible, and Apache Tomcat to streamline application build, code quality analysis, artifact management, containerization, and deployment. Implemented Ansible playbooks for configuration management and automated deployments, with Ansible Vault used to securely manage credentials. This solution improved deployment reliability, reduced manual effort, and enabled faster, consistent application delivery following DevOps best practices.

Certifications

- Achieved AWS Certified Solutions Architect - Associate with a score of 97%, demonstrating strong expertise in cloud architecture and services.

- Successfully completed professional training in Linux, Ansible, Jenkins, Git, Docker, and Kubernetes through Udemy, gaining practical skills in automation, CI/CD, containerization, and orchestration.

Extra Curricular

National Service Scheme (NSS) Member
- Participated in community service, social awareness drives, and volunteering initiatives.

Environment Club Member
- Contributed to campus sustainability projects, awareness campaigns, and environmental conservation activities.