SURYA KUMAR

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CAREER OBJECTIVE

To secure a challenging DevOps Engineer role in a dynamic and innovative organization where I can utilize my technical skills and knowledge to contribute to the continuous delivery and improvement of software applications, while expanding my experience in cloud computing and automation.

TECHNICAL SKILLS

DevOps Tools Integration:
- Seamlessly incorporated a variety of **DevOps** tools, including **Jenkins, Docker, Kubernetes, Ansible,** and **Terraform**
- Demonstrated proficiency in Python and Bash/Shell Scripting to optimize workflows.

AWS Cloud Infrastructure Contribution:
- Leveraged **AWS** services **EC2, S3, VPC, IAM** and architectural concepts like Scalability and High Availability for a robust cloud infrastructure.

Version Control and Collaboration:
- Applied **Version Control system,** with hands-on **GIT** experience for effective code management and collaboration on **GITHUB**.
- Utilized **Microsoft Teams** to enhance collaboration and communication within the development team.

CI/CD Pipeline Optimization:
- Ensured efficient **CI/CD** pipelines using **Jenkins** for automation and release management.
- Integrated **Maven** for **Build Automation** and **Dependency Management**, optimizing various build tasks.

AWS Architect Expertise:
- Demonstrated expertise as an **AWS Architect**, showcasing proficiency in **AWS CLI, SDKs,** and services like **ROUTE 53, IAM, Security Groups, Encryption,** and **KMS**.

Linux Administration and Automation:
- Managed Linux distributions, server administration, and troubleshooting, utilizing **Ansible** and **Shell Scripting** for automation.

Containerization and Orchestration:
- Created and deployed **Docker Containers**, utilizing **Dockerfiles** for building images, managing volumes, and networks.
- Set up and managed **Kubernetes Clusters** using **Minikube**, configuring network policies and resource utilization.

Infrastructure as Code with Terraform:
- Designed and implemented **Terraform Scripts** for efficient deployment and management of **AWS** resources, adhering to Infrastructure as Code (**IAC**) principles.

AWS Services Proficiency:
- Demonstrated hands-on experience with **AWS EC2, ROUTE53, S3, ELB, EBS, AMI, VPC,** and **Autoscaling**

Linux Server Administration Skills:
- Applied knowledge of **Package Management** through **RPM** and **YUM** on **Red Hat Linux** servers.
- Proficiently managed **User** & **Group Administration**, file systems **Partitioning**, and **Logical Volume Management** (**LVM**).

Resource Management and Optimization:
- Effectively managed disk space, processor utilization, and network utilization related to server performance.

CERTIFICATES

- Trained and certified on **DevOps** from **Besant Technologies.**
- Trained and certified on **AWS Architect** from **Besant Technologies.**
- Trained and certified on **Linux administration** from **Besant Technologies.**
- Internship Program in **Web Development** With Raspberry pi at **COITOR IT TECH**,Coimbatore.

PROJECTS

Project Title : Automated Web Application Deployment on Tomcat Server using Jenkins.

- Implemented an **automated deployment** process for a web application on a Tomcat server using Jenkins and the Deploy Plugin.
- Configured Jenkins job to build and package the application as a WAR file and set up post-build action to deploy the WAR file to the Tomcat server.
- Reduced deployment time from **2 hours to 15 minutes**, and implemented a consistent and error-free deployment process.
- Gained expertise in **Jenkins, Tomcat**, Deploy Plugin, and web application deployment process.

Project Title : Weapon Detection for smart surveillance system

- Smart surveillance system employing image recognition technology to detect weapons in captured footage, issuing alerts when weapons are identified alongside individuals.
- Implement real-time object detection using **Cv2** and **numpy** with **PyQt5.uic** for GUI integration.

Project Title : Audio Book using python

- Python-based solution to convert documents in various formats such as PDFs into audio books, enabling text-to-speech functionality for reading aloud.
- Implemented using **PyPDF2** for PDF file handling, **pyttsx3** for text-to-speech conversion, and the **TextBlob library** for natural language processing tasks.

ACADEMICS

- Graduated from Dr.N.G.P Arts And Science College in **Bsc-Computer Technology 2023**
- Completed Higher Secondary from Prema Matric Hr.Sec School in **SSLC** and **HSC 2020**.

LANGUAGES KNOWN

- English
- Tamil

DECLARATION

I hereby declare that the information furnished above is true to the best of my knowledge and I take full responsibility for the veracity of the same.

Place : Bengaluru   **SURYA KUMAR**