





# SRITESH SURANJAN

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## OBJECTIVE

Aspiring **DevOps Engineer** with a strong foundation in **automation, cloud computing, and Continuous Integration/Continuous Development pipelines**. Passionate about **bridging development and operations** to enhance software delivery, scalability, and reliability. Proficient in **Linux, Shell Scripting, Git, Docker, Kubernetes, AWS and Operating Systems**, with hands-on experience in **CI/CD tools like Jenkins and version control using GitHub**. Strong problem-solving skills, a continuous learning mindset, and a keen interest in optimizing deployment workflows. **Seeking an opportunity to apply my skills in a dynamic DevOps environment.**



## KEY SKILLS

Application Deployment | Automation | DevOps | Operating Systems | Continuous Integration | Continuous Deployment | Pipeline Automation | Infrastructure as Code | Cloud Computing | Containerization | Orchestration | DevSecOps | Security Compliance | Monitoring & Logging | Observability | Version Control | Configuration Management | Scripting (Shell, Python) | Application Security | Computer Networking

## TOOLS & TECHNOLOGIES

**Operating Systems:** Linux (Ubuntu, RedHat) | **Scripting:** Shell Scripting, Python | **Version Control:** Git, GitHub | **CI/CD Tools:** Jenkins, GitLab CI/CD | **Containerization:** Docker | **Security & DevSecOps:** Vulnerability Scanning, Compliance | **Orchestration:** Kubernetes (AWS EKS) | **Cloud Services:** AWS (EKS, EC2, S3, IAM) | **Application Security:** SonarQube, Trivy, OWASP, Vulnerability Scanning | **IaC (Infrastructure as Code):** Terraform, Ansible | **Monitoring & Logging:** Prometheus, Grafana | **Database Management System:** PostgreSQL, SQL, MongoDB

## WORK EXPERIENCE

- **Intern | Nuclear Power Corporation of India Limited (NPCIL)**
  -  Kaiga, Karnataka, India |  June 6, 2024 – July 5, 2024
  - Developed a **software model for monitoring benchmarking parameters** for the NTC section.
  - Worked with **HTML, ColdFusion, and SQL** to enhance system functionalities

## PROJECTS

- **Monitoring and Visualization for a Kubernetes-Based Application on Grafana with Metrics on Prometheus**
  - Designed and deployed a monitoring system using Prometheus, Grafana, and cAdvisor for Kubernetes-based applications.
  - Configured and optimized scalable monitoring solutions to track key performance metrics in containerized environments.
  - Developed insightful dashboards to visualize system performance and optimize observability.
- **Creation of a Production-Ready Infrastructure using Terraform and Configuration Management using Ansible for Multi-Tier Deployment with Remote Backends**
  - Designed and deployed a multi-tier infrastructure on AWS using Terraform for automation and Ansible for configuration management.
  - Implemented remote backends in Terraform for efficient state management and scalability.
  - Developed expertise in creating secure, scalable, and highly available cloud environments.
- **Creation of a Production-Ready Infrastructure using Terraform**
  - Designed and provisioned a highly available, scalable infrastructure on AWS using Terraform for end-to-end automation.
  - Configured remote backends in Terraform to enable efficient state management and collaboration.
  - Optimized cloud resources for **security, reliability, and cost-effectiveness** in production.

- **Deployment of a Three-Tier Application on AWS EKS (Managed Kubernetes Service)**
  - Deployed and orchestrated a scalable three-tier application (ReactJS, NodeJS, MongoDB) on AWS EKS using Kubernetes for automated scaling and management.
  - Configured AWS Application Load Balancer (ALB) for efficient load balancing across microservices, optimizing traffic distribution.
  - Gained hands-on experience with Docker containerization and cloud infrastructure automation, implementing DevOps practices for seamless deployment.
- **DevSecOps Jenkins CI/CD Pipeline for a Node.js Application**
  - Developed a Jenkins CI/CD pipeline for a Node.js application, integrating DevSecOps practices for secure deployment.
  - Implemented SonarQube for code quality analysis, OWASP for security testing, and Trivy for Docker image scanning.
  - Automated security checks within the pipeline to identify vulnerabilities, enforce compliance policies, and ensure secure, production-ready deployments.
- **GitLab CI/CD pipeline, automating testing, build, and deployment processes.**
  - Developed and deployed a Node.js application using GitLab CI/CD pipeline, automating testing, build, and deployment processes.
  - Containerized the application with Docker and deployed it on AWS EC2, ensuring scalability and reliability.
  - Gained hands-on experience in DevOps practices, Docker containerization, and cloud deployment on AWS.
- **Containerization of a two-tier application using docker, docker compose, and image scanning with docker scout**
  - Containerized a two-tier application using Docker and orchestrated deployment with Docker Compose.
  - Performed vulnerability scanning using Docker Scout to enhance security.
  - Strengthened understanding of containerization, networking, and security best practices.
- **Shell Script for User Management and Backup in Linux**
  - Developed a Linux shell script for user management and automated directory backups.
  - Implemented account management (create, delete, reset passwords) and group administration.
  - Strengthened expertise in shell scripting, Linux system administration, and security automation.

## EDUCATION

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- ✦ **B.Tech – Computer Science** | Biju Patnaik University of Technology | 📅 2021 – Ongoing | CGPA: 8.36
- ✦ **Higher Secondary (12th)** | Jatiya Kabi Bira Kishore Higher Secondary College | 📅 2021 | Percentage: 87.62%
- ✦ **Secondary (10th)** | D.A.V. Public School | 📅 2019 | Percentage: 85.67%

## CERTIFICATION

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- **DevOps Certification**
- **Linux for DevOps Certification**
- **Git for DevOps Certification**
- **Computer Networking Certification**
- **AWS DevOps Certification**
- **DevOps Bootcamp Certification**
- **Kubernetes on AWS EKS & ArgoCD Certification**
- **AWS: Zero To Hero Certification**
- **Generative AI for DevOps Certification**
- **Python for DevOps Certification**

## Personal Details

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**Date of Birth:** 08 May, 2003



**Blood Group:** AB+