JASON SANJAY

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SUMMARY

Computer Engineering graduate with a focus on AI and Data Analytics, looking to apply my skills and knowledge in a DevOps Engineer role. I have hands-on experience in setting up CI/CD pipelines, automating infrastructure, and working with cloud platforms like AWS, Azure, and GCP. I'm also well-versed in containerization with Docker and Kubernetes, and I use tools like Prometheus and Grafana to monitor systems and ensure reliability. I'm passionate about maintaining security best practices and enjoy problem-solving as part of a team, always eager to contribute to innovative and challenging projects.

SKILLS

Engineering

- **DevOps & Automation** - Jenkins, Kubernetes, Terraform, Docker, Bash scripting, Python (Boto3), Trivy, Maven, Gradle, SonarQube, Nginx, containerization, Linux administration (Ubuntu, Amazon Linux, RedHat), VirtualBox, Prometheus, Grafana
- **Cloud Technologies** - AWS, Azure, GCP, VPC/Subnet Management, EC2, EKS, CloudFormation, CloudWatch, S3, RDS, IAM, WAF, GuardDuty, ECS (Elastic Container Service), ALB (Application Load Balancer), Infrastructure as Code (IaC)
- **CI/CD & Infrastructure** - Automated deployment pipelines, configuration management, and infrastructure provisioning
- **Data Analytics & ETL** - Python (Pandas, NumPy, Scikit-learn, Bokeh, Matplotlib), SQL, Power BI, ETL processes
- **Web Development (Basics)** - HTML, CSS, JavaScript, PHP
- **Editing** - Adobe Photoshop, Illustrator, Premiere Pro, InDesign, After Effects

General

- **Languages Known** - Native Tamil Speaker, Fluent in English, Intermediate in Malayalam
- **Soft Skills** - Problem Solving, Communication, Teamwork, Leadership, Time Management, Critical Thinking, Adaptability, Decision Making, Creativity, Interpersonal Skills

EDUCATION

Vel Tech Rangarajan Dr.Sagunthala RD Institute of Science and Technology

Bachelor of Computer Engineering Specialisation in AI and Data analytics   *08.2020-05.2024*

- Minored in Computer science and Technology
- Passed out with cGGPA score of 8.16
- No arrears and Backlogs

EXPERIENCE

GaoTek   New York, USA(Remote)

DevOps Intern   *Apr 2024 -*

DevOps Responsibilities:

- Maintained and optimized a Jenkins pipeline, ensuring smooth CI/CD operations and minimizing downtime during deployments.
- Integrated new security practices, such as OWASP and Trivy, into the pipeline to strengthen security and reduce potential vulnerabilities.
- Regularly monitored Kubernetes clusters using Prometheus and Grafana, which helped improve system performance and ensure early detection of issues.
- Automated the backup process, transferring critical files to another instance and Google Drive, ensuring reliable disaster recovery and data accessibility.
- Created and maintained detailed documentation for deployment processes, system configurations, and troubleshooting procedures, enhancing team knowledge and operational efficiency.

PROJECTS

DevSecOps Project · Chennai, Tamil Nadu
Web App · *Jul 24 - Jun 24'*

WORKFLOW

Terraform → Git → Jenkins → SonarQube → Trivy (code scan) → Docker (build image) → Trivy (image scan) → Kubernetes (deploy) → Prometheus (monitoring) → Grafana (visualization)

- Developed and deployed a cloud-native website using a CI/CD pipeline with Terraform, AWS, Jenkins, Docker, and Kubernetes, ensuring automated and scalable deployment while provisioning and managing AWS infrastructure, including EC2 instances, networking, and security groups.
- Utilized Git for version control, configuring Jenkins for continuous integration and deployment, integrating SonarQube for code quality analysis, and implementing Trivy for security scans of both source code and Docker images to enhance reliability and security.
- Automated containerization by building Docker images for microservices, deploying them on an AWS-hosted Kubernetes cluster, leveraging EC2 for scalability and reliability, and orchestrating automated deployments through Jenkins.
- Configured Prometheus for real-time monitoring of application and infrastructure performance, setting up Grafana dashboards to visualize metrics and gain insights into system health and resource utilization.
- Maintained infrastructure-as-code principles using Terraform, ensuring reproducible, scalable, and consistent environments on AWS.

Portfolio Website Deployment
Web Development and Deployment · *Jan 24 - Feb 24'*

WORKFLOW

Git (version control) → Terraform → AWS EC2 (Nginx server deployment) → Jenkins (CI/CD pipeline) → Nginx configuration (server management) → Ongoing updates (continuous learning and content addition).

- Developed a personal portfolio website from scratch using HTML, CSS, and JavaScript, showcasing my skills, projects, and professional experience in a visually appealing format for my college project.
- Utilized Git for version control, managing code changes, collaborating on enhancements, and maintaining a comprehensive history of project development.
- Deployed the website on an Nginx server running on an AWS EC2 instance, ensuring reliable hosting and high availability for visitors.
- Implemented a Jenkins pipeline to automate deployment, ensuring that any code changes pushed to the GitHub repository are automatically reflected on the Nginx server, streamlining the update process.
- Regularly updated the portfolio with new projects and content to reflect my ongoing learning and growth in web development technologies. Configured and managed the Nginx server, ensuring proper routing, handling static files efficiently, and implementing security measures to protect the website. [(Website)](#)

(Totally safe Site, just skip the warning)

CERTIFICATIONS

- Udemy – GitOps from Scratch · *2023*
- *Udemy – DevOps Beginner to Advanced* · 2023
- Upgrad – Full Stack Development 101 · *2023*
- *NPTEL - Joy of computing using Python* · 2022
- NPTEL – introduction to industry 4.0 and industrial Internet of things · *2022*

ACHIEVEMENTS

- Captained My College Football team to win University Championship for the first time in 12 years.
- Played in the U-17 Tamil Nadu State Football Team.
- Learnt basic German and Mandarin In 2 months