JASON SANJAY

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SUMMARY

Computer Engineering graduate with a specialization in AI and Data Analytics, seeking to leverage my academic knowledge and practical experience in a DevOps Engineer role. Proficient in CI/CD pipeline setup, infrastructure automation, cloud services (AWS, Azure, GCP), and containerization using Docker and Kubernetes. Adept at using monitoring tools like Prometheus and Grafana to ensure system reliability and maintain security best practices. Strong problem-solving skills and a collaborative team player eager to contribute to innovative projects.

SKILLS

Engineering

- **Cloud Technologies** - AWS, Azure, GCP, VPC and Subnet Management, EKS, CloudWatch, S3 Bucket, Database, CloudFormation, Infrastructure as Code (IAC), EC2, IAM, S3, VPC, RDS, WAF, GuardDuty, ECS (Elastic Container Service), and ALB (Application Load Balancer)
- **EC2 Instances** - Ubuntu, Amazon Linux, Redhat
- **Devops** - Automation, Nginix, Jenkins, Kubernetes, Terraform, Trivy, Maven, Gradle, SonarQube, Docker, Bash scripting, Python boto3, Containerization, Virtual box, linux, prometheus, Grafana
- **Data analytics** - Python(Pandas, numpy, scikit, bokeh, plotlib), SQL, PowerBI, ETL
- **WebDevelopment (Basics)** - HTMl, CSS, Javascript, PHP
- **Infrasructure** - Container based environments, Cloud service providers including AWS and GCP
- **Editing** - Adobe Photoshop, Illustrator, Premier Pro, InDesign, AfterEffect

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:

- Assisted in the automation of deployment processes using tools such as Jenkins and GitLab CI/CD, ensuring streamlined integration and continuous delivery of updates.
- Contributed to infrastructure setup and management using AWS, Azure, and GCP, including server provisioning, configuration management, and environment monitoring.
- Deployed and managed monitoring tools like Prometheus and Grafana to maintain system reliability, quickly identify issues, and perform root cause analysis.
- Worked closely with development and operations teams to optimize workflows, improve deployment pipelines, and ensure seamless integration of new features.
- 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

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

HTML, CSS, JavaScript → Git (version control) → 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, 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