JASON SANJAY

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SUMMARY

Recent 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, Jira, Nexus, Nginix, Jenkins, Kubernetes, Terraform, Trivy, Maven, Gradle, SonarQube, Docker, Bash scripting, Python automation, boto3, Containerization, Virtual box, linux, Grafana
- **Data analytics** - Python(Pandas, numpy, scikit, bokeh, plotlib), SQL, PowerBI, ETL
- **WebDevelopment** - HTMl, CSS, Javascript, Bootstrap, PHP, Figma, SQL, Tailwind, C Sharp
- **Infrasructure** - Container based environments, Cloud service providers including AWS and GCP
- **Editing** - Adobe Photoshop, Illustrator, Premier Pro, InDesign, AfterEffect

General

- **Language Skills** - 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.

Automated Bot   Chennai, Tamil Nadu

Bot running on AWS with DevOps   *Jul 24 - Jun 24'*

- Developed a sophisticated Python bot to automate the job application process on LinkedIn, leveraging Selenium for robust web automation and browser interaction.
- Designed and implemented an automated login system using saved cookies to streamline session management and ensure persistent user authentication.
- Engineered the bot to dynamically generate and handle job URLs based on specific search criteria, facilitating targeted job applications with minimal manual intervention.
- Implemented advanced state management to handle various job application statuses, including tracking application progress and providing real-time feedback on application outcomes.
- Optimized the bot's performance to apply for up to 100 jobs within 19 minutes, employing efficient scripting techniques to maximize throughput and reduce execution time.
- Deployed the bot on AWS infrastructure, ensuring continuous, 24/7 operation and seamless job application automation. Configured environment settings and monitoring tools to maintain operational reliability and performance.
- Incorporated exception handling and logging mechanisms to enhance the bot's robustness, enabling effective troubleshooting and maintenance of the automated job application process.

Spering - Freelancing Website Tenkasi, Tamil Nadu
Self developed DevOps, GitOps Project *Jul 24 - Aug 24'*

- Created a fully interactive and functional website using HTML, CSS and Javascript. Used Bootstrap for cross platform compatibility and Jquery for event handling and animation in Javascript
- Pushed the code and files to GitHub repository.
- Created an instance in AWS to run the Jenkins server for Continuous integration so that when ever a change is committed in the code, the new code is shown into the server
- Continuous Integration: Set up an instance in AWS to run the Jenkins server for Continuous Integration (CI). Configured Jenkins to automatically build and deploy the application whenever changes are committed to the GitHub repository. Created Jenkins pipelines using Bash scripts to automate the build, test, and deployment processes, ensuring smooth integration of code changes.
- Code Quality and Security: Integrated SonarQube into the Jenkins pipeline to perform static code analysis and detect potential bugs and security vulnerabilities in the codebase.
- Containerization: Containerized the application using Docker to ensure consistency across development and production environments. Wrote Dockerfiles for the application and managed the images using Docker Hub.
- Utilized Bash and Python scripts to automate various tasks, such as environment setup, application deployment, and monitoring. Developed Python scripts for custom automation tasks, enhancing the efficiency of the CI/CD pipeline. Then Deployed and managed AWS resources, including EC2 instances for hosting Jenkins and the application, ensuring high availability and scalability. [(Git)](#)

Portfolio Website (Personal Website Project)
Web Developer *Jan 24 - Feb 24'*

- I developed a robust portfolio application using HTML, CSS and Javascript for frontend interactivity and state management, employing Redux for complex state handling. Leveraged modern UI frameworks like MaterialUI for sleek design and responsiveness.
- Integrated smooth scrolling and animations for enhanced user experience. Utilized Git for version control and deployed the site on a reliable hosting platform like GitHub Pages or Netlify. [(Website)](#)

CERTIFICATIONS

- NPTEL - Joy of computing using Python *2022*
- *NPTEL – introduction to industry 4.0 and industrial Internet of things* 2022
- Upgrad – Full Stack Development 101 *2023*

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