Ramsanjiev Venkatesh

Software Engineer

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SKILLS

- Programming Languages: Python, Java, Go, Shell Scripting(Bash), JavaScript, NoSQL
- Tools & Technologies: Git, Ansible, OpenStack, Virtualization (VMware), Docker, Kubernetes, Jenkins, Gradle, Grafana, AppDynamics, Postgres, Kafka, Jira, Loki, pyATS, Linux, Prometheus, MinIO
- Core Competencies: Troubleshooting/Debugging, Research-Oriented, Cloud Deployment and Administration, Server Management, Networking Fundamentals, Linux Administration, Release Management, Security Optimization, Agile, Automation, Customer Issue Handling.

WORK EXPERIENCE

Cisco Systems - Bangalore: Software Engineer - DevOps   03/2022 – Present

- Led DevOps processes for the project and orchestrated Jenkins Pipelines for production and development deployments, automating build processes for over 20 microservices.
- Developed smoke test pipeline to validate all the internal infrastructure drops from various teams, by finding integration issues earlier reduced the dev validation efforts up to 50%.
- Led development of in-house tools for on-demand server deployment and drag-and-drop optical network simulation, reducing manual testing efforts by 80% for dev and QA teams.
- Deployed and managed OpenStack, VMware, and KVM virtualization on Cisco UCS servers, optimizing lab networking and resource availability for development teams.
- Designed and automated various network simulations for Geo-High Availability functionality for the development which helped identify different issues before customer deployments.
- Integrated microservices into Kubernetes platform and automated the building of in-house custom infrastructure for Kubernetes deployment.
- Implemented secure integration of applications across various infrastructure components, significantly improving security during application builds.
- Enhanced production build security by researching and adapting various infrastructure and operations, automating production pipelines for various compliances, and restructuring legacy CI/CD workflows.
- Implemented telemetry collection for applications via Prometheus, Victoria Metrics and created visualization dashboards via Grafana, increasing monitoring and logging efficiency.
- Debugged on-premises deployment issues and optimized processes, serving as subject matter expert for engineering and public software development documentation.
- Researched AI tools to enhance application usability and collaborated with the dev team to develop a chatbot enabling user interaction with application features.

Tata Consultancy Services (TCS) - Chennai: Programmer   08/2020 – 03/2022

- Orchestrated the creation of an automated data pipeline using Adobe Analytics, slashing manual effort by 50% in metrics collection and report generation, freeing up 10+ hours weekly.
- Created Analytic dashboards in Adobe Analytics to provide insights into website user interfaces. Integrated simplified data visualization tools for complex measurements and analysis.
- Designed and configured metrics, attributes, filters, reports, and dashboards. Implemented advanced chart types and visualizations, along with complex data manipulations.

EDUCATION

Vellore Institute of Technology || Vellore, India   June 2020

B.S. Computer Science