



Arun Selvan G J

SENIOR SYSTEMS ENGINEER III | Senior DevOps Engineer

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SUMMARY

Senior Platform & DevOps Engineer with 10 years of experience building scalable cloud-native infrastructure and high-availability production systems. Led CI/CD modernization across 5 environments, reducing **MTTR by 35%**, improving **deployment velocity by 40%**, and optimizing **cloud costs by 30%**.

WORK EXPERIENCE

Senior System Engineer III

Walmart Global Tech

📅 Nov 2020 – Present 📍 Chennai

- Designed and optimized **CI/CD workflows using Jenkins**, increasing release frequency by **40%** and improving deployment reliability across 5 environments.
- Automated build, deployment, and configuration workflows using **Bash scripting, Ansible, and Docker**, reducing manual operational effort by **~60%** and cutting deployment time by **50%**.
- Managed and maintained **Linux production servers**, achieving **99.99% uptime** and ensuring compliance with security standards.
- Deployed and administered **Kubernetes clusters**, enabling scalable containerized microservices and supporting **3x traffic growth without degradation in latency**.
- Implemented observability stack using Prometheus, Grafana, and Splunk, reducing MTTR by **35%** and improving early incident detection rates.
- Managed **OneOps cloud infrastructure**, optimizing platform resources and configurations to reduce **cloud costs by 30%**.
- Performed log file analysis, root cause investigations, and capacity planning to ensure data integrity and support **RTO and RPO objectives for critical services**.
- Designed and developed modular **AI agents** capable of task automation, decision-based execution, and workflow orchestration for a **3x productivity improvement** in targeted tasks.
- Built a **multi-agent orchestration framework** enabling **agent-to-agent communication** and tool integration (APIs, CLI, cloud services), increasing task throughput by **200%**.
- Developed a structured **Agent Evaluation Framework**, measuring accuracy, latency, hallucination rate, task completion score, and reliability across edge cases with **95% test coverage**.
- Implemented benchmarking pipelines for prompt optimization and output consistency validation, improving model response consistency by **18%**.
- Integrated **AI agents** into DevOps workflows for automated log summarization, incident diagnostics, release note generation, and infrastructure documentation, reducing manual triage time by **45%**.
- Architected a prototype **Super Agent system** consisting of a persistent memory layer, Retrieval-Augmented Generation (RAG) knowledge layer, tool execution layer, and monitoring & guardrails layer for end-to-end automation.

System Engineer

Cognizant Technology Solutions

📅 Aug 2017 – Nov 2020

- Administered and hardened **Linux servers** for production environments, implementing security best practices, patch management, and compliance controls to reduce vulnerabilities and improve system stability.
- Automated system backups, user account management, and routine maintenance using **Bash scripting**, improving operational efficiency and reducing manual effort while ensuring recovery readiness.
- Monitored infrastructure using **Prometheus, Grafana, and open source monitoring tools**, proactively troubleshooting performance issues and reducing critical system incidents through timely remediation.
- Provided **L2/L3 technical support** for hardware, software, and **OS level issues**.

Technical Support Executive

DREAMSPLUS CONSULTING PVT LTD

📅 May 2016 – Apr 2017

- Maintained **email and network security systems**, ensuring high availability, data protection, and uninterrupted communication for end users.
- Administered **network workstations and firewalls**, strengthening overall IT security posture and reducing vulnerability exposure across the organization.
- Delivered **front-office interfaces and data provisioning services**, improving responsiveness and service quality for customer-facing operations.

SKILLS

- Cloud & Infrastructure:** OneOps, Linux, Cloud Platforms
- Containerization & Orchestration:** Kubernetes, Docker
- CI/CD & Automation:** Jenkins, Git, Ansible
- Monitoring & Observability:** Prometheus, Grafana, Splunk
- Infrastructure as Code:** Terraform
- AI Systems:** LLM, RAG, Multi-agent frameworks
- Automation & Scripting:** Python, Bash

EDUCATION

Bachelor of Engineering in Computer Science

Jeppiar Institute of Technology

Chennai

📅 Jan 2013 – Jun 2016