

Contact

8072407602 (Mobile)
ashwinsri04@gmail.com

www.linkedin.com/in/ashwin-sridharan-b8474520a (LinkedIn)
ashwinsridharan0410.github.io/
portfolio/ (Personal)

Top Skills

Redpanda
CDN
Linux Internals

Certifications

Problem Solving (Basic) Certificate
Javascript (Basic) Certificate
Diploma in Programming
SQL (Intermediate) Certificate
Professional Cloud Architect
Certification

Ashwin Sridharan

Cloud & DevOps Engineer (SRE) at Johnson Controls | 2× Google
Certified (Professional Cloud Architect, Associate Cloud Engineer) |
Driving Resilience, Scale & Automation
Chennai, Tamil Nadu, India

Summary

DevOps and Platform Engineer passionate about building scalable, secure, and intelligent cloud-native systems. I specialize in reliable infrastructure, declarative CI/CD, and containerized platforms — backed by a deep understanding of Linux internals and systems behavior.

I thrive at the intersection of automation, observability, and stability — designing infrastructure that not only runs, but recovers, scales, and evolves. From production-grade Kubernetes clusters to platform tooling and AI-integrated pipelines, I deliver solutions that are robust, cost-effective, and developer-friendly.

I don't just debug systems — I explain them, stabilize them, and help teams ship confidently in any environment.

Highlights:-

- Architect of resilient, production-grade Kubernetes platforms with built-in scalability, security, and self-healing.
- Known for deep Linux-level debugging — from memory leaks and CPU contention to kernel anomalies and system recovery.
- Delivered cloud-agnostic, declarative infrastructure across AWS, Azure, and GCP using Terraform, Helm, and GitOps.
- Created developer-centric CI/CD pipelines with zero-downtime deployments, DB migrations, and integrated security gates.
- Embedded end-to-end observability using Prometheus, Grafana, Loki, and distributed tracing — making systems visible, not just available.
- Pioneered cost-optimization strategies and proactive infrastructure hygiene, saving cloud spend while improving system performance.
- Bridging DevOps and GenAI through RAG-based bots, LLM pipelines, and real-time orchestration of intelligent services.

Experience

Johnson Controls

2 years 5 months

Developer 1

May 2024 - Present (1 year 5 months)

Pune, Maharashtra, India

Built and operated production-grade Kubernetes clusters across AWS, GCP, Azure, and hybrid environments, focusing on resilience, automation, and scale. Onboarded 15+ critical workloads using chaos testing, benchmarking, and load simulation to validate production readiness.

Designed robust release pipelines with Tekton, Buildpacks, and ArgoCD, enabling GitOps-based, zero-downtime deployments with integrated rollback and health checks. Integrated Jira into pipelines for full traceability and auditability across environments.

Resolved complex production issues involving memory leaks, OOM kills, file descriptor exhaustion, and CPU contention using tools like valgrind, /proc, and smem. Enabled memory-safe, stable application delivery.

Embedded security tools (Trivy, SonarQube, ArmorCode, FiniteState) into CI/CD pipelines, enforcing SBOM policies and image scanning by default. Delivered full-stack observability using Prometheus, Grafana, Loki, and Jaeger, reducing alert fatigue by 60% through SLO tuning and blackbox probes.

Managed infrastructure across cloud platforms using Terraform and Ansible. Implemented GitOps workflows for IaC, drift detection, and audit trails. Reduced cloud costs by 25–30% through proactive resource cleanup, rightsizing, and automated lifecycle policies.

Built internal tools including a Flask-based Dev Portal for CI/CD visibility and a production-ready RAG chatbot using Azure OpenAI + vector search to accelerate team-wide access to technical knowledge.

Graduate Engineer

November 2023 - May 2024 (7 months)

Pune, Maharashtra, India

Made inroads in Linux and Network Administration.

Introduced into developing and containerizing applications using .NET, Java (Maven), Node.js(React and Angular) and managing build processes and ensuring efficient deployment through containerization techniques.

Intern

May 2023 - October 2023 (6 months)

Pune, Maharashtra, India

Virtusa

Intern

December 2022 - April 2023 (5 months)

Chennai, Tamil Nadu, India

Gained hands-on experience working with a diverse tech stack. Utilized Spring Boot and Java for backend development, AJAX and XML for dynamic data exchange, and JDBC for database connectivity. Enhanced front-end functionality using Angular, delivering robust and user-friendly applications.

Education

Indian Institute of Technology, Madras

Bachelor of Science - BS, Data Science · (January 2022 - October 2025)

Meenakshi Sundararajan Engineering College

Bachelor of Technology - BTech, Information Technology · (September 2019 - June 2023)

Indian Institute of Technology, Madras

B.S Programming and Data Science, Data Science · (June 2021)