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ashwinsridharan0410.github.io/
portfolio/ (Personal)

Top Skills

Site Reliability Engineering (SRE)

Cloud Architecture & Infrastructure
Design

Continuous Integration and
Continuous Delivery (CI/CD)

Certifications

Problem Solving (Basic) Certificate

Javascript (Basic) Certificate

Diploma in Programming

SQL (Intermediate) Certificate

Professional Cloud Architect
Certification

Ashwin Sridharan

Site Reliability Engineer (DevOps) | Google Cloud Certified (PCA,
ACE) | Building Reliable Infrastructure, Scaling Cloud Systems,
Automating Operations for Efficiency
Chennai, Tamil Nadu, India

Summary

I'm a Site Reliability Engineer (SRE - Devops) passionate about
designing scalable, secure, and intelligent cloud-native systems that
don't just run — they recover, evolve, and thrive under load.

Core Expertise: Reliable infrastructure, declarative CI/CD,
Kubernetes platforms, Linux internals, and systems behaviour.
Impact: Delivered platforms with 99.99% uptime, scaled systems
serving millions of users, and automated operations by 70%+, saving
hundreds of engineering hours annually.

I specialize in building developer-friendly platforms with automation,
observability, and cost efficiency at the center. From production-
grade Kubernetes clusters to AI-integrated pipelines, I enable teams
to ship with speed and confidence.

Highlights
Architected resilient Kubernetes platforms with self-healing, built-in
security, and horizontal scalability.
Reduced cloud costs by 25%+ through proactive infra hygiene and
optimization.
Delivered declarative, multi-cloud infrastructure (AWS, Azure, GCP)
using Terraform, Helm, and GitOps.
Built zero-downtime CI/CD pipelines with automated DB migrations
and security gates.
Embedded end-to-end observability (Prometheus, Grafana, Loki,
tracing) — making systems visible, not just available.
Engineered LLM-powered bots & GenAI pipelines that cut down
manual troubleshooting time by 40%.
Trusted for deep Linux debugging — from kernel anomalies to
memory leaks and CPU contention.

Beyond engineering, I'm a diverse tech storyteller — writing blogs on AI, MLOps, SRE, and System Design to share insights with the community.

Explore more here: https://ashwinsridharan0410.github.io/portfolio/

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Experience

Johnson Controls
2 years 8 months

Developer 1
May 2024 - Present (1 year 8 months)
Pune, Maharashtra, India

Built & Operated Multi-Cloud Kubernetes Platforms across AWS, GCP, Azure, and hybrid setups — onboarded 25+ critical workloads, validating production readiness via chaos testing, benchmarking, and load simulations to ensure high resilience and scale.

Designed GitOps-Driven Release Pipelines (Tekton, Buildpacks, ArgoCD) enabling zero-downtime deployments with automated rollback & health checks; integrated Jira for 100% traceability & compliance across environments.

Resolved High-Severity Production Incidents (memory leaks, OOM kills, CPU contention, file descriptor exhaustion), restoring stability within minutes instead of hours by leveraging deep-dive debugging tools (/proc, valgrind, smem).

Embedded Security by Design — automated SBOM validation & image scanning in CI/CD (Trivy, SonarQube, ArmorCode, FiniteState), ensuring 100% workloads passed compliance checks before release.

Delivered Full-Stack Observability (Prometheus, Grafana, Loki, Jaeger), reducing alert fatigue by 60% via tuned SLOs, blackbox probes, and actionable dashboards.

Managed Cloud Infra via IaC (Terraform, Ansible) with GitOps workflows for drift detection and auditability — optimized cloud spend by 25–30% through proactive resource cleanup, rightsizing, and automated lifecycle policies.

Developed Internal Productivity Tools — built a Flask-based Dev Portal for CI/CD visibility and a production-ready RAG chatbot (Azure OpenAI + vector search) that accelerated developer troubleshooting by 40% through instant technical knowledge access.

Graduate Engineer
November 2023 - May 2024 (7 months)
Pune, Maharashtra, India

Gained Hands-On Expertise in Linux & Network Administration, building a solid foundation for troubleshooting, system performance tuning, and secure server management.

Developed & Containerized Applications across multiple tech stacks (.NET, Java/Maven, Node.js with React & Angular), ensuring consistent builds and faster deployments through Docker and containerization best practices.

Streamlined Build & Deployment Processes by automating packaging workflows, reducing manual setup time and enabling reproducible, production-ready releases.

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 - BSc, Data Science · (January 2022 - October 2025)

Meenakshi Sundararajan Engineering College
Bachelor of Technology - BTech, Information Technology · (September 2019 - June 2023)