

HARISH BURRA

Technical Lead – DevOps, Cloud & Automation |
Project & Delivery Lead

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Accomplished **Technical Lead & DevOps/Cloud Architect** with **11+ years of experience** designing, implementing, and optimizing large-scale **DevOps, Cloud, CI/CD, and automation solutions** across Automotive, Semiconductor, Government, and Transportation domains. Expertise in **AWS, Azure, Kubernetes, Docker, GitLab CI/CD, Airflow, API Management, Hybrid Cloud**, and Infrastructure as Code. Proven track record in **end-to-end delivery**, system scalability, automation, and cloud modernization.

Strong leadership in **Agile project management, PMP-aligned processes, SOW creation, WBS development**, technical architecture, and cross-functional team guidance. Recognized for consistent delivery excellence with awards including **Tech Titan (2025)** and **Employee of the Year (2024 & 2025)**.

Hands-on experience in **AI-based automation, LLM integration, and prompt engineering** to streamline workflows and improve engineering productivity. Known for meticulous execution, strong stakeholder management, and the ability to balance client technical requirements with internal business goals to drive customer satisfaction and revenue growth.



Websites, Portfolios, Profiles

- www.harishburra.com
- <https://www.linkedin.com/in/harish-burra>
- <https://github.com/harishburr>



SKILLS

- **DevOps:** Jenkins, GitLab, Bitbucket, XL Release, Apache Airflow
- **Config Mgmt:** Ansible, Ansible Tower, Chef, Puppet
- **Cloud:** Azure (AD, API-M, AKS, Arc, LB, Blob other services), AWS (EC2, S3, VPC, ELB other services)
- **Containers:** Docker, Kubernetes, Docker Compose
- **Build Systems:** Yocto, LTIB, CMake, Maven
- **Monitoring:** Nagios, Grafana, App Insights, Telemetry



◆ • **Security:** SonarQube, Checkmarx, Polaris, BlackDuck ◆◆◆◆◆

◆ • **Programming:** Shell, Ruby, YAML, Python

◆ • **Project leadership:** Agile methodology, Systems development lifecycle management, Technical analysis, ◆◆◆◆◆

◆ Design development, Customer relationship management ◆◆◆◆◆



EXPERIENCE

◆ **Jun 2022 - Technical Lead – DevOps, Cloud & Automation**

Current *Quest Global Japan Corporation, Tokyo*

- Led architecture, CI/CD, automation, and platform engineering for the Renesas Digital Twin Cloud Platform, powering next-generation Software-Defined Vehicle (SDV) development.
- Architected a secure, scalable Azure-based cloud platform, integrating Azure AD, API Gateway, Django RBAC, Airflow, GitLab CI/CD, AKS, and Azure ARC.
- Designed end-to-end workflow for authentication, orchestration, CI/CD execution, Kubernetes provisioning, hybrid connectivity, and telemetry development.
- Implemented per-workspace SSH key architecture with private keys stored in Blob Storage and public keys injected into pods.
- Developed automation for provisioning Pods, ConfigMaps, Secrets, Services using GitLab pipelines.
- Built Airflow DAG ecosystem: save DAG, polling DAG, execution DAG.
- Integrated AKS with Azure ARC for hybrid operating scenarios and connectivity to external TBF systems.
- Built detailed SRD, PDD, architectural diagrams, WBS plans, and project governance documentation.
- Delivered on-site customer workshops in Tokyo; managed sprints, scrums, and cross-functional teams (Dev, QA, SIL, HIL).
- Implemented full observability with Application Insights, OpenTelemetry, Usage Tracking, and Log Analyzer.
- Designed multi-tenant workspace isolation strategy ensuring secure environment separation at Kubernetes and CI/CD level.
- Optimized AKS cost using node auto-scaling, workload rightsizing, and spot node integration.
- Built automated audit logging & compliance dashboards using Azure Monitor and Kusto queries.
- Developed internal command-line tooling to simplify DevOps operations and accelerate onboarding.
- Led migration assessments for transforming the platform toward a micro-frontend and multi-cloud-ready architecture.
- Mentored junior developers through regular 1-on-1 meetings, providing guidance on best practices, coding standards, and career growth opportunities.

- Coordinated with cross-department teams like QA, DevOps, and Support to ensure seamless end-to-end software delivery process.
- Implemented continuous integration and deployment strategies for faster release cycles and improved application reliability.
- Increased application stability by regularly monitoring performance metrics, addressing bottlenecks proactively to minimize downtime occurrences.

Aug 2020 - Nov 2022 Senior Project Engineer – DevOps & Delivery

Nov 2022 *Wipro Digital, Bangalore*

- Migrated NSW RTO systems from SVN → Bitbucket and Nexus → JFrog.
- Converted legacy deployments from Puppet → Ansible Tower.
- Built enterprise CI/CD pipelines with integrated SonarQube, Polaris, BlackDuck.
- Ensured zero-downtime releases and automated deployments across Dev, QA, UAT, Prod.
- Participated in process transformation workshops with Australian government teams.
- Implemented release governance dashboards for full visibility across environments.
- Automated service health checks and rollback validation scripts

Jul 2018 - Jul 2020 Senior Software Engineer / DevOps Engineer

Jul 2020 *Quest Global Engineering Services, Bangalore*

- Migrated entire build ecosystem from VMware → Docker, reducing setup time by 70%.
- Built centralized container infrastructure enabling on-demand dev environments.
- Integrated embedded CI pipelines with Jenkins, Checkmarx, JFrog, Yocto, LTIB.
- Managed 24x7 production support, reducing downtime significantly.
- Designed custom artifact retention and cleanup policies to reduce storage costs.
- Developed automated test execution triggers integrated with embedded CI.

Jul 2014 - Jun 2018 Build & Release / DevOps Engineer

Jun 2018 *Wankys Software Technologies, Bangalore*

- Automated build and deployment workflows using Jenkins & Maven.
- Managed multi-branch strategies using Git & SVN.
- Created Docker images and automated infrastructure using Chef.
- Built AWS-hosted SDLC environments (EC2, IAM, VPC, S3).
- Improved code deployment efficiency by automating processes with CI/CD pipelines.
- Monitored automated build and continuous software integration process to drive build/release failure resolution.

CERTIFICATIONS



Unlocking ChatGPT – Freedom With AI

Freedom With AI Blueprint

Prompt Engineering & AI Productivity



EDUCATION

May 2014 **Bachelor of Computer Applications: Computer Applications**
SV University - Tirupathi



Languages

English, Telugu, Hindi



AWARDS & HONORS

- Tech Titan Award, Quest Global 2025
- Employee of the Year, 2024 & 2025,
- 6+ On-The-Fly Awards,
- Technology Champion of the Year, Star Performer of the Year, Innovation Award – Company Exhibition