

RAJKUMAR DEVARAVENI

Senior Embedded Build & DevOps Engineer

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PROFESSIONAL SUMMARY

Senior Build, Release & DevOps Engineer with 11+ years designing and operating CI/CD, release, and hybrid infrastructure for embedded Linux, IoT, and enterprise software. Hands-on across on-premises labs, AWS, and GCP using Kubernetes, Docker, Terraform, and Packer, with deep expertise in Yocto, Jenkins, GitLab CI, and GitHub Actions. Applies SRE practices through SLI/SLO-driven monitoring, on-call incident response, and ISO/IEC 27001-aligned security. Supports engineering organizations of 200–500+ developers and QA engineers, delivering reliable releases at Motorola Solutions, Sonos, Stratus Technologies, and Transamerica.

CORE COMPETENCIES

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|---------------------------|-------------------------------|---------------------------|
| ▪ CI/CD Pipeline Design | ▪ Build & Release Engineering | ▪ Embedded Linux (Yocto) |
| ▪ Infrastructure as Code | ▪ Site Reliability (SLI/SLO) | ▪ DevSecOps & Compliance |
| ▪ Containers & Kubernetes | ▪ Developer Productivity | ▪ AI-Assisted Development |

KEY ACHIEVEMENTS

- Operate the R&D lab and 20+ DevOps services supporting 200+ development and QA engineers.
- Rolled out containerized Claude Code CLI for AI-assisted refactoring and pre-PR code reviews.
- Implemented Gerrit pre-merge CI gating and maintain ISO/IEC 27001-compliant build infrastructure.
- Implemented SAST across all Yocto recipes, strengthening firmware supply-chain security.
- Scaled CI with Jenkins on Kubernetes (JCasC) and PR-gated self-hosted GitHub Actions runners.
- Supported 500+ engineers as part of a five-person build team, delivering release automation for multiple NPI launches.

TECHNICAL SKILLS

Build Systems: Yocto/BitBake, Bazel, Make, CMake, Gradle, Maven

CI/CD: Jenkins (JCasC), GitLab CI, GitHub Actions (self-hosted runners), Argo CD

Containers, Cloud & Storage: Docker, Kubernetes, ECS, AWS, GCP, Azure, On-Premises Labs, Ceph

Infrastructure as Code: Terraform, Packer, Chef, Puppet

Languages: Python, Bash, Groovy

AI Developer Tools: Claude Code (CLI), AI-assisted code review

Version Control & Artifacts: Git, GitLab, GitHub, Gerrit, Perforce, SVN, Artifactory

Observability & Incidents: Zabbix, Datadog, Grafana, New Relic, Nagios, PagerDuty, ServiceNow

Security & Compliance: ISO/IEC 27001, SonarQube, Qualys, SAST, YubiHSM, LDAP

Tools & Platforms: Jira, Confluence, TestRail, OpenGrok, Nginx; Linux, Windows, macOS

WORK EXPERIENCE

Senior Embedded DevOps/Build Engineer

Jan 2026 – Present

Motorola Solutions, Inc., Allen, TX

- Introduced AI-assisted development by deploying containerized Claude Code CLI in developer sandboxes, enabling engineers to refactor code with AI and run automated code reviews before opening pull requests.
- Own and operate the R&D lab and CI/CD infrastructure for WatchGuard body-worn camera and in-car video products, supporting 200+ development and QA engineers.
- Lead CI/CD initiatives to improve developer productivity, including Gerrit pre-merge CI gating that validates every code change.
- Lead development of Yocto CI/CD pipelines and containerized SDK build environments, delivering consistent, reproducible builds across teams.
- Administer 20+ DevOps and infrastructure services (Jenkins, GitLab, GitHub, Gerrit, Artifactory, SonarQube, LDAP, OpenGrok, Nginx, TestRail, license servers, cloud portal, YubiHSM) using Infrastructure as Code.
- Own a Ceph storage cluster providing scalable shared storage for developer sandboxes, CI, and release builds across the dev and build fleet.
- Maintain build and lab infrastructure in compliance with ISO/IEC 27001, supporting product security certification.
- Define SLIs/SLOs and monitor build and release infrastructure with Zabbix to improve reliability and uptime.

Senior Build Engineer

Sept 2021 – Jan 2026

Sonos, Inc., Boston, MA (Remote)

- As one of a five-person build team, supported 500+ development and QA engineers across multiple product lines.
- Designed end-to-end build and release automation (source control, CI, artifact management, release) for multiple NPI projects.
- Implemented SAST analysis across all Yocto recipes, reducing security vulnerabilities in shipped firmware.
- Built self-hosted GitHub Actions runners with PR gating for developer CI builds, speeding up developer feedback on every change.
- Ran Jenkins at scale on Kubernetes with Configuration as Code (JCasC), giving each project a dedicated, reproducible CI/CD instance.
- Developed cross-platform build tooling for macOS, Windows, and Linux in Python and Bash.
- Added CI visibility monitoring to Jenkins and GitHub Actions with automatic paging, speeding incident response on business-critical pipelines.
- Served in a weekly SRE on-call rotation, triaging and resolving build and infrastructure incidents surfaced by Datadog alerts.
- Automated software packaging and publishing with internal Python tooling integrated with GitHub and Jira.

Build/DevOps Engineer III

Jun 2017 – Sept 2021

Stratus Technologies, Inc., Maynard, MA

- Built automated golden, recovery, and factory images for IoT devices using Clonezilla over PXE with UEFI, supporting SDA and NVMe targets.
- Built, automated, and scaled 500+ servers (VM and physical) hosting 20+ internal applications, maintaining 99%+ uptime.
- Created Jenkins CI pipelines for 40+ Spring Boot microservices with automated deployment to a DMZ pre-production environment.
- Automated provisioning of Linux, Windows, and macOS EC2 build nodes with Packer and AWS CLI.
- Administered Jira and GitHub workflows, automating sprint releases and release-note generation.

Build & Release / DevOps Engineer

Feb 2016 – May 2017

Transamerica, Cedar Rapids, IA

- Automated Docker container builds through Jenkins Pipeline, eliminating 80% of manual release work.
- Built the build automation, continuous integration, and test environment, reducing integration issues and improving code quality.
- Ran weekly build, test, and deploy cycles across Dev/Test/UAT/Prod using Jenkins and Maven/ANT.
- Managed RHEL 6/7 and CentOS servers and deployed Android and iOS apps (Ionic, Titanium).

Infrastructure Engineer

Jun 2015 – Jan 2016

General Electric, Fairfield, CT

- Deployed and monitored AWS infrastructure with configuration management through Chef cookbooks.
- Coordinated multiple software releases as release engineer across development, QA, and data center teams.
- Built automation tools for deployment, development, and operational tasks, reducing manual errors and increasing deployment speed.
- Led infrastructure planning from design through QA and deployment, working with data center, development, QA, and management teams.

Software Engineer

Jul 2012 – Sept 2013

DSR Solutions, India

- Configured and supported WebLogic 8.1–9.2 and Apache web servers, resolving deployment and performance issues.
- Led the application support team, diagnosing and documenting WebLogic issues to improve team efficiency and system reliability.

EDUCATION

M.S., Computer Engineering – Oklahoma Christian University, Edmond, OK

2015

B.Tech., Electrical & Electronics Engineering – Princeton College of Engineering, Hyderabad, India

2012