



# Rajkumar Devaraveni

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## PROFILE SUMMARY

Experienced Build Engineer with expertise in DevOps methodologies and SRE best practices. Known for refining developer experiences within large, distributed build systems by designing advanced CI/CD pipelines to optimize software lifecycles and significantly reduce release cycles. Adept at implementing SLI and SLO tracking to enhance observability with tools like Datadog and improve system reliability. Committed to utilizing extensive technical skills to deliver scalable, high-performance solutions aligned with organizational success and strategic goals.

## TECHNICAL SKILLS

- **Operating Systems:** Linux, Windows, Mac
- **CI/CD:** Jenkins, Gitlab CI, GHA, Argo CD
- **DVCS:** SVN, Perforce, Git
- **Scripting Languages:** Bash, Groovy, Python
- **Containers:** Docker, Kubernetes, ECS
- **IAC:** Packer, Terraform, Chef, Puppet
- **Cloud:** AWS, GCP, Azure
- **Build tool:** Make, CMake, Yocto, Bezel, Gradle, Maven
- **Monitoring:** DataDog, Grafana, Nagios, New Relic
- **Security:** SonarQube, Qualys
- **Bug tracking/PM:** Atlassian tools (JIRA, Confluence)
- **Incident management:** PagerDuty, ServiceNow

## SKILLS HIGHLIGHTS

- CI/CD Automation
- Infrastructure as Code (IaC)
- Version Control Systems
- Deployment Automation
- Continuous Integration (CI)
- Solution Architecture
- Build automation
- Release Management
- Scripting (Python, Bash)
- Configuration Management
- Containerization
- Cloud Platforms
- Software Development
- On-call & Incident Response
- Collaboration Tools
- System Reliability Engineering
- Infrastructure Monitoring
- Security Best Practices in DevOps
- Agile & Scrum Methodologies
- Cross-Functional Collaboration
- Technical Mentorship

## WORK EXPERIENCE

### Senior Build Engineer

Sept. 2021-Present

*Sonos, Inc., Boston, MA*

- Designed and implemented advanced workflow automation solutions, incorporating source control management, continuous integration, artifact management, and release systems for multiple NPI projects.
- Developed comprehensive software build tooling applications across Mac, Windows, and Linux platforms, leveraging python and BASH. Implemented Static Application Security Testing (SAST) analysis for all Yocto recipes, ensuring robust security measures and reducing vulnerabilities.
- Established self-hosted GitHub runner build machines, enhancing support for Developer CI builds through PR gating, which improved build efficiency.
- Led efforts in Continuous Integration and Deployment Systems using Jenkins and GitHub Actions, improving artifact and release management systems and streamlining deployment processes.
- Organized Jenkins instances (JenkOps) with JCasC on Kubernetes clusters, providing a dedicated CI/CD tool for projects, which streamlined the deployment process and improved project delivery timelines.
- Utilized collaborative tools such as GitHub, JIRA, Confluence, Slack, and Google Suite, alongside internal Python scripts, to successfully package and publish software releases, enhancing release efficiency.
- Integrated a CI visibility plugin with Jenkins and GitHub Actions runners for real-time performance insights, leading to improved monitoring and faster incident response by automatically paging engineers on business-critical applications.

### Build/DevOps Engineer - III

Jun. 2017-Sept. 2021

*Stratus Technologies, Inc., Maynard, MA*

- Spearheaded Jenkins implementation for continuous integration and continuous deployment, crafting custom jobs and pipelines with Bash/Python scripts and AWS CLI to automate infrastructure provisioning.
- Administered JIRA/GitHub, creating tailored workflow schemes and Jira workflows for seamless sprint releases and auto-updates of release notes.
- Maintained over 99% uptime and accelerated deployment turnaround by developing and optimizing infrastructure, server,

and deployment strategies.

- Orchestrated the building, automation, configuration, optimization, and scaling of 500+ servers (VM/physical), overseeing 20+ internal applications.
- Developed CI pipelines through Jenkins for each micro services (40+) which is connected to Spring boot application and Implemented auto deployments within the DMZ Pre PROD environment.
- Implemented auto golden, recovery, and factory images using Clonezilla Live server on PXE boot with UEFI boot loader for IoT devices, enhancing deployment efficiency across various platforms and disk images (SDA and NVMe).
- Implemented auto-provisioning of EC2 instances (Linux, Windows, Mac build nodes) through packer scripts, streamlining deployment processes.

**Build and release/DevOps Engineer****Feb. 2016-May. 2017*****Transamerica, Cedar Rapids, IA***

- Engineered a robust build automation, continuous integration, and test environment, reducing integration issues and enhancing code quality.
- Installed and deployed Red Hat Enterprise Linux 6.x/7.x and CentOS, managing packages and patches for Red Hat Linux Servers, which ensured system stability and security. Deployed mobile apps on Android and iOS using frameworks like Ionic and Titanium, enhancing cross-platform availability.
- Automated Docker container builds through Jenkins Pipeline, streamlining the deployment process, eliminating 80% of manual work, reducing errors, and accelerating production.
- Administered Jenkins for a seamless weekly build, test and deploy applications on Dev/Test/UAT/Prod git branching Model for weekly releases.
- Automated weekly releases using ANT/Maven scripting, facilitating Java code compilation, debugging, and placement of builds into Maven Repository.

**Infrastructure Engineer****Jun. 2015-Jan. 2016*****General Electric, Fairfield, CT***

- Collaborated with diverse development teams as a release engineer to orchestrate multiple software releases, implementing Software Release Management strategies and aligning with agile processes, which improved release efficiency.
- Deployed and monitored scalable infrastructure on AWS and executed configuration management using Chef cookbooks, enhancing system reliability and performance.
- Analyzed, designed, and developed automation tools for deployment, development, and operational tasks, contributing to build and deploy automation support for CI/CD, which reduced manual errors and increased deployment speed.
- Directed the strategic planning of Infrastructure Architects from conception through QA and deployment, collaborating with Data Center, Development, Quality Assurance, and Management teams to ensure effective communication.

**Software Engineer****Jul. 2012-Sept. 2013*****DSR Solutions, India***

- Connected, configured, and troubleshoot WebLogic Application Servers 8.1/9.1/9.2, improving server performance and reliability by collaborating with cross-functional teams.
- Managed the Application Support team, identified and corrected WebLogic issues and bugs, and documented resolutions, enhancing team efficiency and system reliability.
- Configured Apache Web server and integrated WebLogic server 8.1/9.1/9.2, resolving configuration, deployment, and debugging challenges through collaboration with developers and systems engineering.

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**EDUCATION****OKLAHOMA CHRISTIAN UNIVERSITY, EDMOND, OK,****2013-2015**

Master's degree in Computer Engineering

**PRINCETON COLLEGE OF ENGINEERING, HYDERABAD, IN****2008-2012**

Bachelor's degree in Electrical &amp; Electronics Engineering