

# RAJKUMAR D

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**Innovative Build/DevOps Engineer** with expertise in Development, Systems Administration, and Software Configuration Management (SCM). DevOps operations, Build/Release Management, Change/Incident Management, VMware, and AWS Cloud computing. Possess hands-on experience supporting, automating, and optimizing mission critical deployments, leveraging configuration management, and DevOps processes. Expert in a variety of platforms, languages, and embedded systems with a strong work ethic and an ongoing commitment to ensuring technical solutions meet or exceed industry standards and management expectations. Possesses good understanding of the principles and best practices of Software Configuration Management (SCM) in Agile, Scrum and Waterfall methodologies. Effectively collaborate with developers, managers, and team members to coordinate job tasks within deadlines.

## AREAS OF EXPERTISE

Software Development | Solution Architecture | Continuous Integration Management | Test Automation |  
Application Architecture | Software Configuration Management

## EDUCATION

**Master's degree in Computer Engineering**, OKLAHOMA CHRISTIAN UNIVERSITY, Edmond, OK, April, 2015

**Bachelor's degree in Electrical & Electronics Engineering**, PRINCETON COLLEGE OF ENGINEERING, Hyderabad, IN 2012

## PROFESSIONAL EXPERIENCE

**SONOS, INC.**, Boston, MA

2021 Sep – Present

**Senior Build/DevOps engineer**

- Designing, developing and implementing workflow automation solutions including: source control management, build and continuous integration, artifact and release systems and delivery through cloud services for various NPI projects.
- Performing software build tooling for applications built on Mac, Windows and Linux (Python and JavaScript).
- Implemented Static Application Security Testing (SAST) analysis for all the Yocto recipes.
- Implemented self-hosted GitHub runner build machines to support Developer CI builds (PR gating).
- Working on Continuous Integration and Deployment Systems (Jenkins, GitHub Actions) and artifact and release management systems.
- Utilizing workflow management and collaborative tools (GitHub, Jira, Confluence, Slack and Google Suit) and utilizing internal scripts used to package and publish software releases (Python).
- Working directly with Software Engineers to create solutions that enable the engineers to do their best work.
- Developing and Deploying Jenkins instance (jenkOps) with JCasC on Kubernetes clusters to allow dedicated CI/CD tool for projects.

**STRATUS TECHNOLOGIES, INC.**, Maynard, MA

2017 June – 2021 Sep

**Build/DevOps engineer - III**

- Extensively work on Jenkins to implement continuous integration (CI) and Continuous deployment (CD) processes. Develop custom Jenkins jobs/pipelines that contained Bash/python shell scripts utilizing the AWS CLI to automate infrastructure provisioning.
- Administrated JIRA/GitHub and developed workflow schemes for different projects. Create Jira workflows to allow sprint releases and auto release notes updates.
- Maintain +99% up-time and quick turnaround of deployment through development and optimization of infrastructure, server, and deployment strategies.
- Build, automate, configure, optimize and scale more than 500 servers (VM/physical) and responsible for 20+ internal applications.
- Auto provisioning EC2 instances (Linux, Windows, Mac build nodes) using packer scripts

**TRANSAMERICA**, Cedar Rapids, IA

2016 Feb – 2017 May

### **Build and Release/DevOps Engineer**

- Developed an effective build automation, continuous integration and test environment that reduced integration issues and improved code quality
- Installed, Deployed Red Hat Enterprise Linux 6.x/7.x, CentOS and installation of packages and patches for Red Hat Linux Servers.
- Deployed mobile applications using Frameworks like (Ionic & Titanium) in various platforms like android & IOS
- Built maintained Docker container by using Jenkins Pipeline, automated build and deployment process with Jenkins, eliminating 80% of manual work and to reduced human error and speed up production processes
- Administered and Engineered Jenkins for managing weekly Build, Test and Deploy chain, SVN/GIT with Dev/Test/UAT/Prod Branching Model for weekly releases
- Automated Weekly releases with ANT/Maven scripting for Compiling Java Code, Debugging and Placing Builds into Maven Repository

**GENERAL ELECTRIC**, Fairfield, CT

2015 June – 2016 Jan

### **Infrastructure Engineer**

- Collaborated with different development teams as a Release Engineer on multiple simultaneous software releases. Developed and implemented Software Release Management strategies for various applications according to the agile process
- Deployed and monitored scalable infrastructure on Amazon web services (AWS) & configuration management using chef. Collaborated in the automation of AWS infrastructure via terraform and Jenkins - software and services configuration via chef cookbooks
- Analyzed, designed, and developed automation tools for deployment, development, and operational tasks. Contribute to build and deploy automation support (CI/CD).
- Managed the strategic direction of Infrastructure Architects from conception through QA and deployment. Worked closely with the Data Center, Development, Quality Assurance and Management teams to ensure cross communication and confirmed approval of all production changes.

**DSR Solutions, India**

2012 July - 2013 Sep

### **Software Engineer**

- Installed, configured, clustered, configured, and troubleshooting the Web Logic Application Servers 8.1/9.1/9.2.
- Coordinated with the Application Support team to identify and correct issues and bugs relating to Web Logic. Documented.
- Installed and configured Apache Web server and integrated with Web Logic server 8.1/9.1/9.2. Collaborated with developers
- and the systems engineering team to resolve issues related to application configuration, deployment, or debugging.

## **Technical Skills**

Operating Systems: Linux, Windows, Mac

CI/CD: Jenkins, Gitlab CI

DVCS: SVN, Perforce, Github

Configuration Management: Puppet, Ansible

Scripting Languages: Bash, Groovy, Python

Build tools: Make, CMake, Yocto, Bezel, Gradle, Maven

Containers: Docker, KubereneTS

Cloud: AWS, GCP

Monitoring: Nagios, NewRelic, datadog

Security: SonarQube, Qualys