Rajkumar D

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PROFILE SUMMARY

An innovative, accomplished, and result-driven exceptional Build and Release Engineer, DevOps Engineer, and Site Reliability Engineer (SRE) with a wide repertoire of technical qualifications and a proven track record of optimizing software development processes. Spearheaded the implementation of robust CI/CD pipelines, resulting in a significant reduction in release cycles and increased overall system reliability. Proficient in automating deployment procedures, enhancing efficiency, and ensuring seamless integration between development and operations. Recognized for driving continuous improvement and delivering scalable solutions in dynamic, high-pressure environments. Adept at fostering collaboration between cross-functional teams to achieve project milestones and exceed business objectives. Solutions-oriented team leader recognized for the ability to establish a target and meet all facets of the project lifecycle to achieve critical goals and customer satisfaction.

TECHNICAL SKILLS

- **Operating Systems:** Linux, Windows, Mac
- **CI/CD:** Jenkins, Gitlab CI, ArgoCD
- **VCS:** SVN, Perforce, Git,
- **Scripting Languages:** Bash, Groovy, Python
- **Containers:** Docker, Kuberenets

- **Cloud:** AWS, GCP
- **Build tool:** Make, CMake,Yocto, Bezel,Gradle, Maven
- **Monitoring:** Nagios, NewRelic, datadog
- **Security:** SonarQube, Qualys

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
- Incident Response

- Collaboration tools
- System Reliability Engineering
- Infrastructure Monitoring
- Security Best Practices in DevOps
- Agile & Scrum Methodologies
- Cross-Functional Collaboration
- Project Management

WORK EXPERIENCE

SENIOR BUILD/DEVOPS ENGINEER   **Sept. 2021 – Present**
SONOS, INC., Boston, MA

- Design and implement advanced workflow automation solutions, incorporating source control management, continuous integration, artifact, and release systems for multiple NPI projects.
- Exhibit proven tools and technique to complete software build tooling for applications across Mac, Windows, and Linux platforms, leveraging Python and JavaScript.
- Implement Static Application Security Testing (SAST) analysis for all Yocto recipes, ensuring robust security measures.
- Establish self-hosted GitHub runner build machines, enhancing support for Developer CI builds through PR gating.
- Lead efforts in Continuous Integration and Deployment Systems, utilizing Jenkins, GitHub Actions, and proficient artifact and release management systems.
- Utilize collaborative tools such as GitHub, Jira, Confluence, Slack, and Google Suite, alongside internal Python scripts for packaging and publishing software releases.
- Collaborate closely with Software Engineers to develop tailored solutions, optimizing their workflow and productivity.
- Organize Jenkins instances (JenkOps) with JCasC on Kubernetes clusters, providing a dedicated CI/CD tool for projects.

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.
- 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.
- Expertly installed and deployed Red Hat Enterprise Linux 6.x/7.x, CentOS, managing packages and patches for Red Hat Linux Servers.
- Deployed mobile applications on various platforms (Android & iOS) using frameworks like Ionic and Titanium.
- 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 chain, implementing SVN/GIT with Dev/Test/UAT/Prod 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, orchestrating multiple simultaneous software releases and implementing Software Release Management strategies for various applications in alignment with agile processes.
- Deployed and monitored scalable infrastructure on Amazon Web Services (AWS), executed configuration management using Chef, and contributed to the automation of AWS infrastructure via Terraform and Jenkins, ensuring efficient software and services configuration through Chef cookbooks.
- Analyzed, designed, and developed automation tools for deployment, development, and operational tasks, actively contributing to build and deploy automation support for Continuous Integration/Continuous Deployment (CI/CD).
- Orchestrated the strategic direction of Infrastructure Architects from conception through QA and deployment, fostering close collaboration with Data Center, Development, Quality Assurance, and Management teams to ensure effective cross-communication and obtain approval for all production changes.

SOFTWARE ENGINEER   Jul. 2012-Sept. 2013
DSR Solutions, India
- Combined technical competence with dependability to connect, configure, and troubleshoot WebLogic Application Servers 8.1/9.1/9.2, ensuring optimal performance and reliability.
- Professionally managed the Application Support team, identifying and correcting issues and bugs related to WebLogic, and meticulously documented resolutions.
- Configured Apache Web server and seamlessly integrated WebLogic server 8.1/9.1/9.2, by collaborating with developers and systems engineering to resolve configuration, deployment, and debugging challenges.

EDUCATION

OKLAHOMA CHRISTIAN UNIVERSITY, EDMOND, OK,   Apr. 2015

Master's Degree in Computer Engineering

PRINCETON COLLEGE OF ENGINEERING,HYDERABAD, IN   2012

Bachelor's Degree in Electrical & Electronics Engineering