

San Jose , California

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**Satish Kommineni**

**PROFESSIONAL SUMMARY**

* Around 12 year’s experience as **a DevOps** practitioner and strong proponent of Agile methodologies.

**SKILLS**

* AWS( Solutions Architect Certified)
* Kubernetes (CNCF certified Kubernetes Admin)
* Python/Shell
* Docker
* Terraform
* Packer
* Jenkins
* Ansible
* GitLab CI
* Embedded Linux/RTOS
* Make/CMake/Maven
* **AWS** Cloud Infrastructure Management
* Application containerization deployment, integration using

**Docker and Kubernetes**.

* Experienced in Configuration Management tools such as **Ansible and Terraform and Packer**
* Proficient in Unix, Shell, Python, **and batch** scripting
* Web application server frameworks (Tomcat, Glassfish, Apache, Nginx and IIS)
* SSL cert management (Java key tool/keystore, Symantec, Venafi, and Let's Encrypt)
* Application monitoring (Grafana/Prometheus, Splunk and New Relic)
* Experienced in setting up CI/CD with Secure booting signing.
* Experienced in setting up CI/CD for Android/QNX/Bitbake applications.
* Experienced in Version control systems such as (GitLab and Bitbucket)
* Enabled static analysis through Parasoft, PC-Lint and Sonar for C and C++ projects.
* Experienced in Continuous integration (Jenkins, Gitlab CI Bamboo, Maven, Artifactory and Nexus)
* Deep understanding of TCP/IP, HTTP & HTTPS concepts
* Continuous deployment (Docker, Kubernetes, Terraform and AWS CloudFormation)
* Implemented observability through ELK, Grafana /Prometheus and DataDog
* Optimized makes files and build scripts to reduce build time
* Familiarity with Embedded Linux and RTOS
* Excellent communication, problem solving, analytical, collaboration.

**WORK HISTORY**

**NIO Automotive Inc., (Digital Cockpit), Staff DevOps Engineer, San Jose, CA**

**09/2023-11/2023**

* Conducted comprehensive training sessions for the team to ensure seamless

Transition and efficient utilization of AWS services.

* Optimized resource allocation and cost management strategies within AWS to

enhance overall efficiency and cost-effectiveness.

* Integrated security measures following AWS best practices ensure a robust and secure infrastructure.
* Upgrade current Qualcomm HQX version to latest.
* Implemented automation to sign packages for security purpose.
* Reduced Docker images size to 80 % by implementing Docker multistage.
* Collaborated with cross-functional teams to establish and refine the AWS architecture, aligning it with business goals and scalability requirements.
* Implemented automated monitoring and alerting systems in AWS, leveraging Datadog to track system performance, detect anomalies, and facilitate proactive issue resolution.
* Streamlined deployment processes by introducing blue-green deployments and canary releases within the CI/CD pipeline for AWS applications.
* Enhanced application reliability and performance by fine-tuning configurations and utilizing AWS-native services effectively.

**Rivian Automotive Inc., Staff DevOps/SRE Engineer,**

**03/2020 – 07/2023, Palo Alto, CA**

* Design, develop and automating application deployments into AWS cloud platforms using Jenkins and GitLab pipelines (CI/CD).
* Written lot of Jenkins files and Gitlab yml files for CI/CD/CT setup
* Create and maintain highly scalable and fault tolerant multi- tier AWS environments spanning across multiple availability zones using Terraform.
* Developed terraform templates to build infrastructure for all Environments (dev/staging/prod) on AWS.
* Fully automated provisioning clusters in AWS EKS with master and worker nodes using terraform and deployed using Jenkin.
* Experienced in setting up CI/CD for Android/QNX/bitbake applications.
* Experienced in upgrading QNX versions (HQX)
* Experienced in repo tool for android applications.
* Experienced in Version control systems such as (GitLab and Bitbucket)
* Enabled static analysis through Parasoft and PC-Lint for C and C++ projects.
* Extensive knowledge in building with mono repo
* Supported weekly OTA releases for Firmware updates.
* Built AMI's using Packer, bring up the instance using Terraform and configured using Ansible.
* Ensure sufficient logging, monitoring and alerting strategies around availability, latency and overall system health.
* Involved in troubleshooting and debugging the k8s Clusters and infrastructure components.
* Define standard methodologies and support creation of technical and process documentation.

**Daimler Automotive Inc., Sr DevOps Engineer,**

**07/2019 – 03/2020, Sunnyvale, CA**

* Working on Gerrit and Git for code review quality purposes.
* Requirements gathering from cross functional teams and implementing them with team.
* Works with teams to document ways of working for the DevOps/SRE teams.
* Worked on GPU integration for testing Head Unit Software.
* Architecting new pipelines and tools as per the project requirement.
* Building Docker container for the build configuration
* Efficiently using Jenkins for build purposes and configuring slave as per the requirement
* Co-ordination with developers on the build and release process
* Proposed Dev-day for better collaboration between developers and DevOps.
* Involved in capacity planning and infrastructure.
* Review/Merge/Remove Git Pull Requests to Gerrit. Hands on with Git / GitHub for code check-ins/checkouts and branching etc.
* Involved in setting up Gerrit as code review tool and configured various workflows, customizations and plug-ins for the review.
* Created Docker container using Docker images to test the application and maintained Docker Base images for application.

# Apple Inc., Sr DevOps Engineer,

# 10/2015 – 07/2019, Sunnyvale, CA

* Led and automated processes using configuration management tools with **Ansible/Puppet** over 200 components.
* Developed the DevOps Self serviced containerized dashboard.
* Implemented **Containerization** and **deployment** systems using **Docker & Kubernetes** orchestration.
* Implementing Continuous Integration with Jenkins and Pipeline automation for **100+ Applications**
* Implemented **DR** Strategy by Failover to different data centers.
* Expert in **Nginx** and configuration Administration.
* Involved in **Akamai** integration & configuration, **DNS** changes.
* Implemented **Global Service Load balancing** and **Global traffic management** over datacenters for **100 + Applications.**
* Part of Automation &amp; Tools team that supported ecommerce platform and the back-end platform.
* consisting of 25 different java/AEM applications and with several modules across each application.
* Primary Resource for 7 applications supporting multiple parallel releases spread across 60+ environments.
* Development of a Continuous integration/Continuous delivery (CI/CD) infrastructure using Agile
* development methodologies for large scale JAVA applications.
* Managed and maintained the tool chain, part of the CI/CD infrastructure. This included installation and
* configuration of the tools to build the CI/CD Pipeline
* Used Ansible/Docker to automate the deployment workflow of JAVA applications on Apache Tomcat and
* Jetty servers.
* automated entire AEM deployment, infrastructure using various elements of Ansible, including the nodes,
* the server, premium features of the server, and the Ansible Tower
* Created Splunk dashboards /alerting system at application level.
* Experienced in Dispatcher setup and Apache/nginx rewrite rules.

# Oracle. Member technical staff, DevOps Engineer,

# 07/2014 – 12/2014, Hyderabad, India

* Deployments/Administration of a highly complex core application and multiple products with new products coming online all the time.
* Gateway for releases into multiple, geographically dispersed production datacenters.
* Administrator for hundreds of instances of testing environments.
* Management and expansion of the existing infrastructure that supports our ability to turn concepts into
* code and deliver quality to our customers.
* Design and development of an in-house build/deployment system for deploying code through Lower-level environments to production.
* Played an integral role in the development of a system for performing dependency checks on source code components for version control.
* Enhancement of a system for applying database updates as part of the code promotion process for the SDLC cycle.
* Work closely with QE team to automate testing and tie them as part of CI and provide feedback.
* Reducing build times and increasing Engineering productivity.
* Assuring reliability, predictability, verifiability of build (user and continuous) and automated test systems.
* Providing support and occasional training for build system, to Development and QA Engineers.

# JPMC. Associate DevOps Engineer, 02/2012 – 07/2014, Hyderabad, India

* Created build pipelines in Jenkins which will deploy builds too application container and also runs different UI tests against to it.
* Worked in chef pilot program in the areas of infrastructure deployments, configuration management and code deployments.
* Defined instances in code, next to relevant configuration on what running and then created the instances via chef.
* Worked in a Agile based project with 2 weeks iterations which includes daily standup and iteration
* planning, backlog grooming sessions every 2 weeks.
* Supported the application in all phases (from design, development, bug fixing and production.
* Had an in-depth knowledge of JMS queue (placing and consuming messages from different queue).
* Participate as a member of the build team to provide daily build support for several releases in development, SIT, QA & preview environments.
* Maintain and provide support to PIT for the existing CI pipeline including debugging the build/package/deployment interfaces.
* Assist in supporting build best practices in combining cross stack dependent code bases in the development of GID applications.

**EDUCATION**

**Master’s in technology, Computer Science from JNTU-2011**