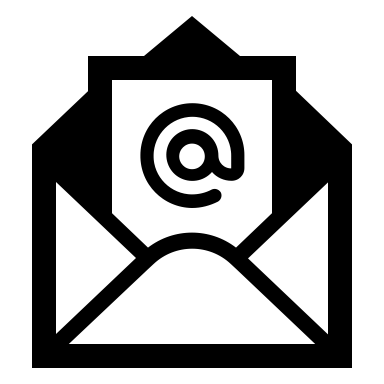
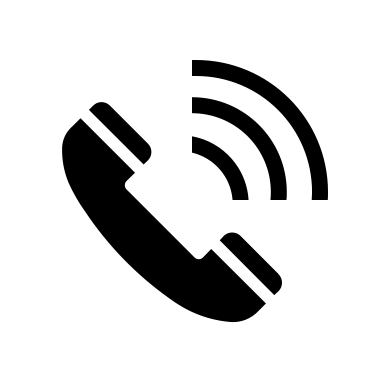
**Devops Engineer with 8.2 Years**

**Hari Kiran M P**

**9035137331**



**mpharikiran@gmail.com**

**OBJECTIVE:**

DevOps Engineer, Cloud Engineer with 8+ years of expertise in designing and managing configuration management frameworks for enterprise-scale infrastructure and applications. Proven ability to architect resilient, version-controlled environments using industry-leading tools, ensuring consistency across development, testing, and production ecosystems. Adept at automating infrastructure provisioning, enforcing compliance policies, and maintaining parity between distributed systems. Proficient in orchestrating declarative configuration workflows to eliminate manual errors, accelerate deployment cycles, and enable auditable change management. Skilled in collaborating with cross-functional teams to align configuration strategies with organizational security, scalability, and operational readiness requirements.

Committed to advancing organizational growth by optimizing resource utilization, reducing downtime risks, and enabling seamless scalability through robust configuration baselines. Passionate about mentoring teams on Infrastructure-as-Code (IaC) best practices, version control hygiene, and automated drift remediation. Seeking to leverage technical leadership and hands-on experience to drive operational excellence in configuration management roles.

**SKILLS:**

|  |  |
| --- | --- |
| Operating System | Linux, UNIX, Windows |
| CI/CD tools | Jenkins, ArgoCD, Atlantis (Terraform) |
| Build Environment Tools | Maven, Makefile, NPM |
| Defect Tracking Tools | JIRA |
| Version Control Tools | GIT, GITHUB Actions |
| Scripting Languages | Python, Bash and Shell Scripting |
| Server configuration tools | Ansible, Terraform |
| Monitoring tools | Prometheus, Grafana |
| Cloud | AWS |
| Containers | Docker |
| Container Orchestration tool | Kubernetes, Helm, ECR |
| Other skills | SonarQube, Artifactory JFrog |

**CAREER DETAILS:**

1. Worked as a Senior DevOps Engineer at **WNS GLOBAL SERVICES PVT. LTD Sep 2022** to **Current date.**
2. Worked as Devops Engineer I at **PLM Systems India Pvt. ltd.** from **Feb 2022** to **Aug 2022.**
3. Worked as Cloud Devops Engineer at **Technotharanga Solutions Private Limited** from **June 2019** to **Feb 2022.**
4. Worked as Devops Engineer at **Accenture** from **Feb 2017** to **May 2019.**

**EDUCATION:**

**BE** in Mechanical Engineering in Kalpataru Institute of Technology, Visvesvaraya Technological University

**EXPERIENCE DETAILS:**

# COMPANY\_1: WNS GLOBAL SERVICES PVT. LTD.

# PERIOD: Sep-2022 to Present

# CLIENT: Allegiant Airlines

**PROJECT\_1:** One-Click Deployment Automation for Allegiant Airlines Flight Management System

**DESCRIPTION:** An international carrier, aimed at automating the deployment processes for their Flight Management and Booking Systems. Led the development and implementation of a One-Click Deployment Automation Framework, which eliminated manual workflows, thereby reducing the risk of human error while enhancing software quality, security, availability, reliability, and performance. This initiative significantly improved the efficiency of deployment cycles and ensured seamless service delivery to global travelers.

**TECHNOLOGIES:** Linux, Shell Scripting, SRE, Git, GitHub actions, Jenkins, Jira, AWS, Azure Devops, Docker, Apache Tomcat, Kubernetes, Prometheus, Grafana, Terraform, ArgoCD, Atlantis.

**ROLES AND RESPONSIBILITIES:**

* Spearheaded implementation of custom solutions for Allegiant Airlines as the Single Point of Contact (SPOC), leveraging **AWS** and Google **Kubernetes** Engine (GKE) with **AWS** for Anthos.
* Provisioned and managed **AWS** infrastructure, including **EC2**, **S3**, **VPC**, **ELB**, **Lambda**, **IAM**, ASG, **API Gateway**, **RDS**, **Route53**, **CloudWatch**, and **CloudTrail**, while resolving operational issues efficiently.
* Developed reusable **Terraform** modules to streamline configuration management, application deployment, service orchestration, and automated installations.
* Automated **CI/CD** pipelines using **Jenkins**, integrating with **SonarQube**, **Kubernetes**, and **Terraform** for end-to-end build, test, and deployment workflows.
* Orchestrated infrastructure deployment and scaling in **Kubernetes** environments using **Helm** charts and **Prometheus** Operator, adhering to **SRE** best practices for observability and reliability.
* Designed **Prometheus** monitoring configurations with **SLOs**, SLIs, and error budgets, and built actionable **Grafana** dashboards for performance optimization and incident response.
* Implemented **AWS** **CloudWatch** with custom metrics, alarms, and automated remediation workflows using **Lambda** to reduce MTTR for critical incidents.
* Administered **Jenkins** pipelines, plugins, and master-slave configurations, enabling parallelized builds and deployments across multiple environments.
* Containerized applications using **Docker** and managed image repositories via ECR, **JFrog** Artifactory, and **Docker** Hub with vulnerability scanning and lifecycle policies.
* Automated infrastructure provisioning using **Ansible** playbooks, roles, and templates, ensuring consistent configurations across development, staging, and production.
* Managed PostgreSQL database upgrades across environments and optimized **RDS** instances for performance and scalability.
* Secured **AWS** environments using VPCs, security groups, NACLs, and iptables, aligning with compliance requirements.
* Streamlined **Git** workflows by resolving merge conflicts, creating branches/tags, and enforcing version control hygiene.
* Enhanced code quality using **SonarQube** scans and **JFrog** Xray for vulnerability detection in artifacts.
* Automated **Terraform** Atlantis workflows for infrastructure changes, ensuring version control and collaboration across teams.
* Deployed applications on **Kubernetes** clusters, configuring ingress, services, and deployments for high availability.
* Supported developers in troubleshooting build/deployment issues and analyzing application logs to identify root causes.
* Managed **Tomcat** application servers and **Nginx** load balancers for optimized traffic routing.
* Handled release management for maintenance, nightly, emergency (hotfix), and new project launches.
* Maintained uptime for critical systems using **SNS** alerts and automated responses to environmental changes.
* Implemented ECR cross-account replication using **IAM** policies to enable secure image sharing between **AWS** environments.
* Automated cleanup of stale **Docker** images in **Docker** Hub using **Python** scripts, reducing storage costs by archiving obsolete versions.
* Integrated **JFrog** Artifactory with **Kubernetes** clusters to validate image signatures before deployment, ensuring compliance with security policies.
* Migrated legacy **Jenkins** jobs to **GitHub** Actions for Java microservices, leveraging reusable workflows to minimize pipeline duplication.
* Configured ECR lifecycle rules to auto-expire untagged images and retain production-ready containers based on tagging conventions.
* Curated base images in **Docker** Hub for development teams, pre-installing security patches and runtime dependencies.
* Set up **GitHub** Actions secrets management with **AWS** Parameter Store to securely inject credentials into **CI/CD** workflows.
* Enforced image promotion policies in **JFrog** Artifactory to gate releases from staging to production repositories.

# COMPANY\_2: PLM Systems India Pvt. ltd.

# PERIOD: February 2022 to August 2022

**PROJECT\_2:** STP Portal (Reporting and Data Management Portal)

**DESCRIPTION:** Developed and maintained a web-based client and operational reporting system designed to serve as the next-generation solution for financial industry reporting and data management. The system enables the creation of customized reporting batches, facilitating rapid, efficient, and streamlined distribution of critical financial data. This solution enhances the client’s ability to manage and analyze substantial volumes of data with ease, ensuring timely access to accurate and tailored reports for stakeholders. Utilized contemporary web technologies to construct a scalable and secure platform that facilitates seamless integration with existing financial systems, thereby optimizing operational efficiency and data-driven decision-making throughout the organization.

**TECHNOLOGIES:** Linux, Shell Scripting, Git, GitHub, Maven, Jenkins, Jira, AWS, Ansible, Docker, Apache Tomcat, Kubernetes.

**ROLES AND RESPONSIBILITIES:**

* Orchestrated **Jenkins** Declarative Pipeline stages with optional and parallel execution for modelling complex build and deployment workflows.
* Utilized **Jenkins** Declarative Pipeline post-actions like notifications, reports, and clean-up tasks for automating post-build activities.
* Managed **Jenkins** Declarative Pipeline input steps for pausing pipeline execution and waiting for manual approval or intervention.
* Configured **JFrog** Artifactory repositories, safeguarding digital artifacts with the meticulousness of a digital curator.
* Developed **Python** scripts as conduits of automation, imbuing **CI/CD** pipelines and infrastructure with the arcane power of code.
* Conducted seamless migrations to cloud-native architectures, optimizing resource utilization and system reliability.
* Automated infrastructure provisioning using **Ansible**, streamlining deployment processes and reducing manual overhead.
* Designed resilient **AWS** ecosystems, intertwining services like **EC2**, **S3**, and **RDS** to create bastions of cloud-native resilience.
* Integrated **AWS** **IAM**, crafting access policies and roles to fortify the realm of cloud resources.
* Developed Bash and **Shell script**s as instruments of automation, instilling systems with the machinations of code.
* Managed **Linux** landscapes with meticulous care, nurturing Ubuntu and CentOS servers for optimal performance and stability.
* Maintained **Linux** and **Windows** environments for deployments.
* Installation, configuration and administration of **Linux** systems (Ubuntu)
* Strive for continuous improvement and build continuous integration, continuous development, and constant deployment pipeline (**CI/CD** Pipeline)
* Used **Jenkins** pipeline to automate build and deployments
* Imposed policy for developers to make sure that they are pushing compiled code to **Git** repo. Build will get triggered when the developer raises PR (Pull Request)
* Installed **Jenkins**-created jobs for Builds, Deployment and testing
* Installed plugins in **Jenkins** and automated build pipeline. Automated build based on commits on the **Git** repository
* Used build automation tools **MAVEN** for the building of deployable artifacts such as war from source code.
* Developing **Docker** images to support Development and Testing Teams and their pipelines; distributed **Jenkins** and **Ansible** on **Docker** images.
* Worked closely with teams, to ensure high quality and timely delivery of build and release
* Designed **GIT** branching strategies, merging per the needs of release frequency by implementing **GIT** flow workflow on Bit bucket.
* Used **Ansible** and **Ansible** Tower as Configuration management tools, to automate repetitive tasks, quickly deploy critical applications, and proactively manage change.
* Implementing a Continuous Delivery framework using **Jenkins** and **Maven** in a **Linux** environment.
* Generating environment-specific release notes using **Jenkins**.
* Administration of **Git** repositories, Branches, Branching strategies and support tortoise users.
* Investigated various products from Atlassian.
* Developing customized workflow for transaction parallel approval.
* Experience in automation technologies like **Jenkins**, **SonarQube**, and **Maven**.
* Working knowledge of **Docker** container, and **Linux** container.

# COMPANY\_3: Technotharanga Solutions Pvt. Ltd.

# PERIOD: June 2019 to February 2022

**PROJECT\_3:** Business Process Automation (MarutiCeraware)

**DESCRIPTION:** Developed a comprehensive Business Process Automation (BPA) solution for a smart enterprise. The solution enables end-to-end tracking and traceability of raw materials within a store or warehouse environment. The system integrates Barcode and RFID technology to monitor materials from the moment they enter the warehouse until they are dispatched to customers as finished goods. This solution automates inventory management, reducing manual data entry and human errors while improving accuracy and operational efficiency. The platform also supports real-time updates, enabling stakeholders to monitor material flow and make data-driven decisions. Ultimately, this enhances supply chain transparency and optimizes warehouse operations.

* Deployed the **Docker** containers to **ec2** instances using **bash** script and **Ansible**.
* Modified and tuned existing **shell script**s. Written scripts to make my life easier in the work.
* Worked on branching and merging. Creating branches for different teams and different projects. Merging branches periodically and according to requests from dev teams.
* Set up **Jenkins** and created jobs for different builds.
* Gathering Information from the Clients and providing consultation by performing POC and setting up the Build/Deployment and Release Management.
* Deployments to multiple environments like QA and UAT using **Ansible**.
* Setting up the automatic build and deployment automation for Java-based projects by using **JENKINS** and **Maven**.
* Migrated **Jenkins**, and **GIT** to **AWS** cloud and worked on managing infrastructure.
* Write **shell script**s to automate manual and repetitive tasks.
* We follow the best practices by creating the labels, and branches and merging the branches if required.
* If any merging conflict occurs, we need to resolve it with the help of the development team.
* Managed Daily Builds and Releases to QA. Debugged Build failures and worked with developers and QA people to resolve related issues.
* Helping the Testing Team by making sure that all the backend jobs work effectively at the time of QA and UAT.
* I was involved in all the phases of Software Applications Development of various clients.
* Part of Design discussions to have a better plan of execution and deliver the quality product.
* Team size of 4 worked on Web Applications and Supported all the implementation updates required by the client.
* Good start with MVC design pattern and implemented the best practices to have a better product which is user friendly also meet the coding standards.
* Worked with team to make sure the application modules are independently developed under the direction of Senior Software Developers.
* Effectively written the code for software changes and alterations based on specific design specifications.

**TECHNOLOGIES:** Devops, Linux, bash scripting, AWS, Windows, GIT, GitHub, Maven, Makefile, Jenkins, SonarQube, Docker, Artifactory.

# COMPANY\_4: Accenture

# CLIENT: Leading North American Retail Corporation

# PERIOD: February 2017 – May 2019

# PROJECT\_4: Retail Inventory Management System

# DESCRIPTION: Spearheaded a large-scale DevOps transformation for a Fortune 500 retail client to modernize their legacy inventory management system. Designed and implemented a cloud-native CI/CD pipeline using Jenkins, enabling zero-downtime blue/green deployments and automated security scanning. This reduced manual intervention by 95% and accelerated feature delivery to support the client’s strategic market expansion

* Automated Jenkins CI/CD pipelines for Java applications using Maven and Ant, reducing build times through parallel job execution.
* Managed Linux (Ubuntu/RHEL/CentOS) server administration, including user permissions, cron jobs, and kernel patching for legacy on-prem systems.
* Scripted Bash/Shell utilities to automate log rotation, backup scheduling, and filesystem cleanup across 100+ servers.
* Designed Chef cookbooks for configuration management of Apache Tomcat and JBoss clusters, ensuring consistency across dev/test/prod.
* Coordinated release management for mission-critical ERP systems, executing nightly builds and monthly releases via Jenkins.
* Migrated legacy SVN repositories to Git with pre-commit hooks to enforce code quality checks and branch naming conventions.
* Automated deployment of WAR/EAR artifacts to Tomcat and Java application servers using SHELL scripts and maven.
* Built RPM packages for custom Linux modules using RPM Spec files and deployed them via YUM repositories.
* Monitored server health using Nagios, triggering alerts for CPU, memory, and disk thresholds, and resolving incidents within SLA.
* Configured nginx reverse proxies for load balancing and SSL termination in on-prem data centers.
* Implemented Perl scripts to parse application logs, generate daily performance reports, and identify bottlenecks.
* Streamlined Jira workflows for defect tracking, linking tickets to Jenkins builds for traceability.
* Provisioned AWS EC2 instances manually (pre-Terraform) using CLI for early-stage cloud migration projects.
* Secured Linux environments, IPTables rules, and SSH key-based authentication.
* Conducted Samba/NFS server setup for cross-platform file sharing between Linux and Windows teams.

# Tools: Jenkins, Maven, Ant, Chef, Git, SVN, Shell Scripting, Perl, AWS EC2, Nagios, Apache Tomcat, JBoss, WebLogic, RHEL, CentOS, Jira, APT/RPM/YUM.