**PARIN**

Java DevOps Engineer

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**OBJECTIVE:**

Experienced Java DevOps Engineer with a decade of expertise in building and maintaining robust CI/CD pipelines, optimizing software development workflows, and ensuring the reliability and scalability of mission-critical applications. Seeking to leverage my technical skills and leadership experience to drive innovation and efficiency within a dynamic organization.

**PERSONAL SUMMARY:**

* 10+ years of work experience as a **DevOps with Java** environment in automating, building, deploying, and managing Software Configuration Management (SCM), Continuous Integration, Continuous Deployment, and Release of code from one environment to another environment.
* Experienced in designing and developing enterprise and web applications using Java and J2EE technologies like **Java, Spring core, JDBC, Spring Boot, Hibernate, Apache IBatis, JPA, JNDI, ANT, JMS, XML, JUnit, Apache Maven.**
* Expertise in developing GUIs using **HTML5, CSS3, JavaScript, Typescript, Angular 4/5/9, JSON, XML, Bootstrap, AJAX, jQuery.**
* Implemented new **DevOps Architecture** and Strategies for Customer facing and Billing Websites on multiple environments (Dev, QA, Preprod, and Production).
* Extensive experience in using **Version control systems** including **Subversion (SVN), Bitbucket, and GIT**. Strong knowledge of the creation of branches, mergers, and tags.
* Created **SCM processes, policies, procedures, and Release Notes** to follow Development and allow QA teams to Release or Deploy the highest quality product for the enterprise.
* Expertise in using build tools like **MAVEN and ANT** for the building of deployable artifacts such as war & ear from source code.
* Extensive experience in **Amazon Web Services (AWS) cloud computing service** it includes Amazon EC2, Amazon S3, Amazon Simple DB, Amazon RDS, Amazon Elastic Load Balancing, Amazon SQS, AWS Identity and Access Management (IAM), AWS CloudWatch, Amazon EBS and Amazon Cloud Front.
* Developed **Microservices for Java** Applications and enabled communication among them using **REST API.**
* Skilled in **Software development life cycle (SDLC) and Agile programming methods**. Capable of delivering well-documented applications with quality standards and delivery date.
* Hands-on experience with **CI** build tools like **Jenkins, Bamboo, Hudson, Maven, SonarQube, and ANT.** Work closely with teams to ensure high-quality and timely builds and releases.
* Worked as a **Jenkins Admin** for plugin management, master/slave administrations, access controls, report generations, parameterized /triggered build setups, etc.
* Experience in building **middleware REST API, Web services using JAVA, Spring, JSON** etc.
* Experience in building micro services based on Spring boot.
* Experience in developing applications using Spring Framework **(Spring boot, Spring JPA, Spring Data etc.) along with Hibernate.**
* Experience in Front end technologies using **AngularJS, Angular 14/15, React JS, TypeScript, ES06, CSS3, Sass, Less, Bootstrap, Styled Components**.
* Experience in developing cross platform native apps using Ionic framework.
* Experience in working on databases like **Oracle, MySQL MongoDB**.
* Managed **Docker orchestration** and **Docker containerization using Kubernetes**.
* Experienced in the use of **DevOps pipeline**. Worked on configuration and source code management tools **(Git),** **CI tools (Jenkins), build tools (Maven), Project Management Tools (Jira).**
* Expertise in troubleshooting the problems generated while building, and deploying code to Production using **Putty, WinSCP, and Splunk.**
* Performed unit and integration testing using **Junit, Mocktio, Spring Boot Test, Mock MVC** frameworks.
* Ability in managing all aspects of the software configuration management process including code compilation, packaging, deployment, release methodology, and application configurations.
* Proficient in communicating effectively with good project management skills.
* Positive attitude, strong work ethic, ability to work in a highly collaborative team, and energy to learn and work as system admin.

**TECHNICAL SKILLS:**

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| --- | --- |
| **Programming Languages** | **C, C#, C++, Java, XML, HTML-5.0, CSS, Python, Shell Scripting** |
| **Version control tools** | **SVN(Subversion), Git, GitHub, Bitbucket** |
| **Build tools and code Quality tool** | **ANT, Maven, SonarQube** |
| **Continuous integration and Deployment tools** | **Jenkins, Bamboo, Hudson, Ansible, Udeploy.** |
| **Repositories** | **Sonatype Nexus, Artifactory, JFrog** |
| **Scripting Languages** | **Python, Bash shell script, JavaScript** |
| **Web Servers/ Application Server** | **Apache, Tomcat, JBoss** |
| **Containerization / Orchestration** | **Docker, Kubernetes,** |
| **Cloud Platforms** | **AWS, Azure, GCP** |
| **Databases** | **Oracle, MySQL, PostgreSQL** |
| **Monitoring tools** | **Nagios, Datadog** |
| **Operating Systems** | **WINDOWS, Linux, Unix** |
| **Other Tools** | **JIRA, Confluence, ServiceNow, Terraform, ALM, Splunk, Slack, Putty, WinSCP.** |

**EDUCATION:**

**Masters in Information Systems and Technologies** - University of North Texas

**Bachelors in Computer Application** - Veer Narmad South Gujarat University, Gujarat, India

**PROFESSIONAL WORK EXPERIENCE:**

**Marriott Inc-** **Charlottesville, VA** **Jul 2022 to till date**

**Sr DevOps Engineer with Java**

Marriott is a prestigious global hospitality company known for its extensive portfolio of hotels and resorts. With a rich history of excellence spanning decades, Marriott is dedicated to providing exceptional guest experiences and unmatched service.

**Responsibilities:**

* Developing automated processes for code builds and deployments using Jenkins, maven, and implementing the **CI/CD pipeline**.
* Promotion of the code and scripts to higher environments using the **Azure DevOps Release pipeline**.
* Developed various shell and **python scripts** for automation of server activities and day-to-day tasks to ease the developers.
* Created Release pipelines and classic multistage pipelines in **Azure DevOps** using an agent and agentless tasks.
* Ability to learn and implement new things. Interested in learning new concepts and ready to adapt to multiple situations.
* Developed various screens for frontend using **ReactJS**, Used predefined components from **NPM and Redux library**.
* Messaging and Queues were implemented using **Apache Kafka** among various modules.
* Implemented Spring Security with **Okta Security API** to provide security for the application.
* Worked with development teams to promote the code which is written in Java and C# to release to higher environments.
* Built a robust data ingestion and **ETL pipeline** for 10+ internal and third-party data sources using a scalable Apache **Airflow cluster and Databricks** to support the growing needs of Contacts data.
* Document digitization and data extraction from documents was the core functionality.
* Enhanced and optimized the functionality of Web UI using React and Redux.
* Worked on automating the **DB (MySQL) scripts using the CI/CD pipeline** and its dependent code and scripts accordingly.
* Worked on Migrating SQL database to **Azure data Lake, Azure data lake Analytics, Azure SQL Database, Data Bricks and Azure SQL Data warehouse** and controlling and granting database access and Migrating On premise databases to **Azure Data Lake store using Azure Data factory**.
* Worked with **Big Data Integration and Analytics** based on **Hadoop, SOLR, Spark, Kafka, Storm and web Methods** technologies.
* Ability to write the **PowerShell scripts** and integrate them in the **Azure classic**, release pipeline for automating tasks.
* Handled the release management for migrating the banking VM’s from on-prem to VMC (bulk migrations)
* Created change tickets, attended the CAB meetings, and coordinated the release from end to end maintaining runbooks, and rollout plans.
* Dynamic **Data Visualizations** were generated by implementing **D3.js and JFreeCharts frameworks** to render visualizations based on various parameters.
* A new document-exchange app was developed using **Angular.** This was later converted to a React based application which dealt with clients of Corporate Investment Banking.
* Enabled the **React App** to run on two separate design systems based on Material UI and UI Toolkit from within the single application enabling the customer to switch between the two with ease.
* Performed all **Git** activities and helped the development team to follow the correct SDLC guidelines.
* Worked on XL Release for the deployment of **Java code** activities and maintained the VM activities. Integrated the **XL release to Jenkins, JIRA, and Sand service** new applications.
* Worked with L1 OPS and networking team to monitor the server health and to debug the application using **Splunk.**
* Administration and Monitoring of Development and Build Systems for both functional and operational issues. Working with the infrastructure team to resolve those issues.
* Analyzed business requirements to translate functional requirements into technical requirements and developed web application using **MongoDB, Express, React.js/Redux and Node.js (MERN stack).**
* The back-end use of **Node JS, Express JS, MongoDB, and Mongoose,** the complete **MERN Stack** to provide **RESTful API.**
* Developed **SOAP web services** using **JAX-WS** and persistence using **Hibernate and JPA framework**.
* Involved in on-call support system and production deployments over the weekends for multiple applications. Participated in conversion weekends and deployments.
* Integrated different scanning tools for code coverage such as **Black Duck scanner** and **Veracode for code vulnerabilities.**
* Created high-level functional **flow diagrams using Microsoft Visio**.
* Configured build **pipeline using CloudBees** for **Continuous Integration and Deployment**.

**Environment:** GitHub, Jenkins, Artifactory, XL Release, Ansible, AWS, Azure DevOps, JIRA, Confluence, Bash, PowerShell, ServiceNow, Citrix, Linux, Putty, SQL, Oracle.

**Xylem LLC -** **Chicago, IL May 2018 to Dec 2021**

**Java DevOps Engineer**

Xylem LLC is a prominent global water technology company specializing in innovative solutions for water management and treatment. With a commitment to sustainability and improving water-related challenges, Xylem provides cutting-edge products and services, including pumps, analytics, and advanced water treatment solutions.

**Responsibilities:**

* Responsible for the design and maintenance of the **Subversion/GIT Repositories, views, and access control strategies** for 3 different projects.
* Created a **CI/ CD pipeline** for the build and deployment of the Java application on approximately 250 servers which include **Dev, QA, UAT, and Production** environments.
* Administered **Jenkins** as a **Continuous Integration tool** and configured multiple upstream and downstream build jobs based on the requirements.
* Used **MAVEN scripts** to automate the build process and installed **NEXUS** and used it as a Private Repository Manager within the company.
* Experienced in **Udeploy and Ansible for Continuous deployment**. Created the deployment scripts, configuration, components, and properties to automate the deployment and server bounce process.
* Administered **JIRA, and SBM** for our Dev and Client team.
* Utilized AWS Cloud platform services, such as **EC2, SNS, SQS, API Gateway, Lambdas, Auto Scaling, S3, and Kinesis, to design and deploy scalable and reliable cloud-based solutions.**
* Developed various shell and python scripts for automation of server activities and day-to-day tasks like log backup and scheduling.
* Used AWS services **(VPC, EC2, IAM, S3, cloud watch, data bricks, code build, code deploy) Elastic Load Balancing, SQS, SNS, AWS Identity Elastic Beanstalk, Cloud Front, Redshift and access management** for multiple teams and applications.
* Automated and implemented Cloud Formation for creating/administering the AWS resources like **VPC, Subnets, Gateways, and Auto Scaling.**
* Created **Docker containers** from customized **Docker images and deployed various microservices on AWS EC2 Machine.**
* Migrated the complete **CI/ CD process** from **SVN to Bitbucket**, **Jenkins to Bamboo, and Udeploy to Ansible**.
* Implemented and maintained dual production environments (Prod A and Prod B) which were used as active and inactive prod.
* Planned and implemented the rollout of new **SCM** tools and methodologies as part of the **DevOps team**.
* Used **Nagios** for monitoring the servers and the health check of the services.
* Created Release notes and MOP for bi-weekly production Release. Make sure the correct build is pushed to production and monitor the server-level logs through Putty.
* Deployed all the **microservices into OpenShift and AWS**. Verified the deployments by testing the **API** using web service testing tools like Soap-UI and Postman.
* Implemented **TDD (Test Driven Development)** for new enhancements.
* Develop the front-end components using **React, CSS3 and Bootstrap3**.
* Implemented various features of **spring framework** such as **Dependency Injection, IOC, Annotations and Spring integration with Hibernate.**
* Wrote comprehensive unit and integration tests using frameworks like **JUnit, Cucumber** and ensuring the quality and reliability of software products.
* Implemented Java EE components using **Spring MVC, Spring IOC, Spring** transactions and Spring security modules.
* Implemented the application using design patterns such as Session Facade, Business Delegate, Bean Factory, Singleton, Data Access Object, and Service Locator.

**Environment:** Subversion (SVN), GIT, ANT, Maven, Jenkins, Bamboo, Ansible, Nexus, Urban Deploy, Tomcat, JBoss, Bitbucket, Nagios, Java, JIRA, SBM, ALM, Confluence, Putty.

**Xylem Inc** - **Chicago, IL** **Dec 2016 to Apr 2018**

**DevOps Engineer**

**Responsibilities:**

* Worked with **JAXB, SAXP and XML Schema** for exporting data into **XML** format and importing **data from XML** to database and **JAXB**in the web service's request response **data marshaling** as well as **un-marshalling** process.
* Defined strategic initiatives on **Continuous Integration & Delivery (CI/CD)** model with Test-driven development, Extreme programming (XP), and build automation, in an **AGILE** development environment to help, respond quickly to business needs and to ship world class Quality products.
* Utilized Hibernate for **Object/Relational Mapping (ORM)** purposes for persistence onto the Oracle database.
* Developed and Designed the Educational Loan Financial Management System Object Oriented Technology.
* Web enabled the application using **Servlets, JDBC, Session Beans, JMS, JSP, and EJB**.
* Prepare Java/J2EE development structure for **Eclipse, maven, Jetty**.
* Reviews Build Logs to do the first level triage for all the **Jenkins** build issues for all 23 devices.
* Write and modify **maven and Yocto** build recipes for all the **Jenkins** builds and for new devices.
* Initiate and complete Build and Dev tool software improvements/initiatives as required.
* Troubleshooting support for **Jenkins** and debugging Jenkins by monitoring the load and logs of the system.
* Implemented the Fossid application on the **AWS server and integrated it into Jenkins and Git** for scanning all the Gerrit commits.
* Automate Jenkins and upgrade it to a higher stable version with all the plugins both internal and external.
* Figure out what issues can come up and maintain the security of the tools from intruders were responsible for the security of the tools.
* Used the **Eclipse as IDE**, configured and deployed the application onto **WebLogic application server using Maven** build scripts to automate the build and deployment process.
* Developed and designed interfaces using **HTML, JSP, Server-Side components using Servlets on.**
* Involved in study of business processes, collection of functional & technical requirements **Eclipse and used JPA annotations.**
* Worked on various processes related to **MDM** and involved in construction and managing a variety of data and functional models.
* Developed various helper classes needed following **Core Java** multi-threaded programming and Collection classes.
* Created **SQL queries, PL/SQL Stored Procedures**. Functions for the Database layer by studying the required business objects and validating them with **Stored Procedures using DB2. Also used JPA with Hibernate** provider.
* Implemented web services for communicating by using **SOAP** hosted in the **AWS.**
* Developed **stored procedures, Triggers,** and functions in **Oracle 10g** to process the trades using **PL/SQL** and mapped it to **Hibernate** Configuration File and also established **data integrity** among all tables.
* Implemented Persistence layer using **Hibernate** to interact with the **Oracle**.
* Experience in **Hibernate 3.0** which includes integrating legacy databases, writing custom **CRUD** statements, **integrating stored procedures** and functions, and also performing polymorphic associations.
* Developed **Hibernate DAO Accessor** Classes using **Spring JDBC Template**. Worked with **Hibernate** for object **relational mapping** and connection management.
* Involved in **data integration** on **ETL Informatica** environment.
* Created **test Automation scripts** based on Desktop applications.
* Created Automation Test Scripts in Test Complete and involved in **Automation Infrastructure Development** in Test Complete.
* Worked on running and managing web Apps using **AWS Elastic Beanstalk**.
* Developed the Presentation and Controller layers using **JSP, HTML, Java Script. Business layer using Spring (IOC, AOP), DTO, JTA, and Persistent layer DAO, Hibernate for all modules.**
* Implemented User interface (UI) entire application using **JSP, JSTL, Custom Tag Libraries, JavaScript, XML XSLT, HTML, CSS and Especially.**
* Created applications, connection pools, deployment of **JSPS, Servlets, and EJBs in WebSphere also Soap web service.**

**Environment:** GIT, Bitbucket, ANT, Maven, Jenkins, Ansible, Jfrog, Tomcat, Ubuntu, Java, JIRA, Confluence, HP Quality, Eclipse.

**Syntel (AMEX) - India** **May 2012 to Dec 2016**

**Jr DevOps Engineer**

Syntel, now part of Atos, is a renowned information technology services and consulting company that has played a pivotal role in shaping the IT industry. With a strong legacy of delivering cutting-edge solutions and services to clients globally, Syntel is known for its innovation, expertise in various technology domains, and commitment to client success.

**Responsibilities:**

* Worked on critical requirements for the design, development, and integration of complex systems, apps, services, and APIs that process millions of transactions per day.
* Developed utilities for **Mailing, accessing pdf and excel files**.
* Implemented GUI pages by using **JSP, JavaScript, CSS, and HTML**.
* Used **WinSCP** as a debugging tool for monitoring the logs.
* Used **Hudson/Jenkins** integrated with **Maven** to perform automated Builds and Deployments.
* Created Cron jobs for multiple applications to be deployed at specific times.
* Deployed using Admin console into **Tomcat Application Servers**.
* Write **Shell scripting and Python scripting** for the internal build systems and for all nightly builds and creation of tags.
* Manage build environment, manage operations, build, and test tools.
* Implement **GIT** and Manage the **Gerrit repository** and all the **code repositories**.
* Do customizations and necessary advancement in the tools and technology.
* Provided periodic feedback on status and scheduling issues to the management.
* **Used JIRA** for the **ticketing system**.
* Involved in Daily **SCRUM** meetings and weekly **SPRINT Meetings**.
* Enhanced and optimized the functionality of **Web UI using React and Redux**.
* Fetched **JSON data** within the Orchestration Layer with **Spring Boot Application** and displayed it in **UI using ReactJS**.
* Build artifacts (war and ear) are deployed into a **Tomcat** app server by integrating with **Shell Scripts to automate**.
* Created **SVN branches** for all the individual modules. Responsible for all the mergers regarding the Release.
* Reviewed **Java codes, checked** for anti-patterns and re-factored applications.
* Performed tuning on **JAVA code, JVM** configuration and **SQL queries**.
* Directed the Release Management Calls to synchronize with the **Developers, Testers, and DBA teams** for successful Release.
* the code quality of the project. Integrated it with **Maven** to have the full details of the coding standards.
* Involved in daily **scrum calls and On-site Off-shore** meetings with the product.
* Used **SonarQube** to monitor Involved in designing functional specifications.
* Designed technical design documents using **UML**.
* Implemented the business logic with **MVC and DAO**.
* Used **Spring and Hibernate framework**.

**Environment:** SVN, ANT, Maven, Jenkins, Hudson, Artifactory, Tomcat, RedHat, Java, Remedy, SonarQube, RAD, HTML, JSP, JavaScript, CSS, Bash shell script.