**Dhwani Patel**

**ContactNo:814-314-9061**

**Email-Id:** [**pateldhwan.dev17@gmail.com**](mailto:pateldhwan.dev17@gmail.com)

LinkedIn: www.linkedin.com/in/patel-dhwani-profile

**PROFILE SUMMARY:**

* Around 6+ years of experience in the **IT** field in **Linux** administration, build engineering, and release management processes, designing and deploying applications using **DevOps** activities such as Continuous growth, **Continuous Integration (CI)**, and **Continuous Deployment (CD)** in runtime with tools such as **Git**, **Maven**, **VSTS**, **Jenkins**, **Ansible**, **Chef**, **Docker**, **Kubernetes**, and managing cloud services with **Azure** and **AWS**.
* Good understanding of **DevOps** concepts and a critical thinker of its different application areas.
* Experience working on cloud technologies, **Amazon Web Services (AWS), Google Cloud Platform (GCP)** and **Azure**.
* Experience with Cloud Platform and **VMware** Technologies **(AWS,** **Open Shift**, **Open Stack**, **Azure)**.
* Experience in using Microsoft **Azure**, **Tomcat**, **JBOSS**, **Web logic** and **WebSphere** Application servers for deployment.
* Experience with **MVC** Architecture Design Patterns and Development methodologies like **Agile (Scrum), Iterative, Waterfall models** and **Software Patterns**.
* Knowledge and experience in developing software using **Agile** methodologies to deliver an end-to-end continuous integration **(CI)**/continuous delivery **(CD)** product in an open-source environment using tools like **Chef and Jenkins**.
* Designed **CI/CD** pipelines for Web Application and Container Apps.
* Expertise in **shell** and **python** scripting with focus on DevOps tools, **CI/CD** and **AWS**, **Azure** **Cloud Architecture**, and hands-on Engineering.
* Implemented **Microservices**, Application Development, and Migration using **AWS/Azure** services such as **Azure** **DevOps, Kubernetes** **Service (AKS),** **Container Registry**, **Azure** **Pipelines**, **Monitor**, **RBAC**, **AWS Kubernetes** (**EKS)**, and **Kubernetes API** to run workloads on **EKS** Clusters.
* Involvement in developing **APIs** using **Kubernetes** to manage and specify the copies of the containers to run the actual servers in the cloud environment.
* Used **Puppet** and **Chef** for Configuration Management tool and understanding of container technologies like **Docker**/**Mesos**.
* Scheduled, deployed, and managed container replicas onto a node cluster using Kubernetes and deployed Docker containers through **Kubernetes** to manage the microservices using its **Nodes**, **Pods**, **ConfigMaps**, **Selectors**, **Services** .
* Expertise in configuring the monitoring and alerting tools according to the requirement like **Prometheus** and **Grafana** , setting up alerts and deployed multiple dashboards for individual applications in **Kubernetes** .
* Experience in Configuration management tools such as **Chef**, **Ansible**, and **Puppet**.
* Wrote **Chef** recipes and cookbooks in **Ruby** scripting.
* Hands-on experience in bootstrapping the nodes using knife and automated by testing **Chef Recipes**, Cookbooks with test-kitchen and **chef** spec . Refactored **Chef** and Ops Works in **AWS** cloud environment.
* Experience on **Continuous Integration** and **Continuous Delivery** with **AWS** using **Docker and Jenkins**.
* Worked on **Docker** container **Snapshots**, attaching to a running container, removing images, managing structures, and managing containers.
* Experience in writing **Jenkins** Pipeline **Groovy** Scripts for **Continuous Integration** and build workflows and Used **Jenkins** uploading Artifacts into **Nexus** Repository.
* Building and maintaining systems in **Windows** **Azure** for development and production systems. This applies to standard **VMs** as well as other **Azure** services.
* Experience in interfacing with business analysis and **UI/UX** teams.
* Responsible for build and deployment automation using **Docker** and **Kubernetes** containers and **Chef, Puppet and Ansible**.
* Experience with capacity planning, continuous integration and application deployment using **Jenkins** and Subversion **(SVN)** and **GIT** for version control, **Maven** and **Ant** for Building and Packaging..
* Proficient with container systems like **Docker** and container orchestration like **EC2** **Container Service**, **Kubernetes**, worked with **Terraform**.
* Expertise in working with **AWS** provided Solutions like **EC2** and **ELB** which includes Creating **EC2** instances, adding **EBS** volumes for **EC2** and familiar with **VPC, Route 53, RDS, S3, IAM, SNS, SQS, SWF, SES, Auto scaling, Storage gateway, Elastic Beanstalk, Cloud formation and Cloud Watch.**
* Hands on experience in **GCP** services like **EC2, S3, ELB, RDS, SQS, EBS, VPC, EBS, AMI, SNS, RDS, EBS, Cloud Watch, Cloud Trail, Cloud Formation GCP Config, Autoscaling, Cloud Front, IAM, R53.**
* Skilled in monitoring servers using **Nagios**, **Datadog**, **Cloud watch and using ELK Stack Elastic Search Logstash.**
* Automated Build Metrics using **SonarQube** - Installed and configured **SonarQube** for code quality check; integrated **SonarQube** scans at Confidential Build **(both XAML and vNext)** and **Jenkins;** Performed upgrades of **SonarQube** infrastructure**.**
* Experience in **CI/CD pipeline** for code deployment by engaging different tools like **GitHub, Jenkins, Maven, Nexus, Chef, Terraform and AWS CodePipeline.**
* Built and deployed various **Ansible** playbooks and modules in the Production and pre - production environments.
* Develop, enhance, and maintain the build, deployment and configurations for **continuous integration** and **automate regression** and **acceptance testing**.
* Experience with **APACHE ANT** and **Maven** as a build tool for Java Application.
* Experience with Web Forms, **HTML**, **XML**, **XPATH**, **CSS**, **AJAX,** **and JavaScript.**
* Experience in development tools like **Eclipse, Azure, and Microsoft Visual Studio.**
* Knowledge of programming in **JAVA,** **C, C++, and Python.**
* Experience in supporting **ORACLE, MYSQL**, and **DB2** Database.
* Expertise with using **Oracle 8i/9i, DB2 UDB 8.2/8.1/7.2/6.5** databases and writing **SQL** queries.

**TECHNICAL SKILLS:**

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| --- | --- |
| **Programming Languages** | Java, C, C++, Python, .Net, and PL/SQL |
| **Database** | MySQL, My SQL Server, Oracle 8i/9i, Azure |
| **Versioning Tools** | GIT, Subversion, Shell, Bash, PowerShell |
| **Operating Systems** | Windows, Linux, macOS |
| **CI Tools** | Jira, Jenkins, Chef, Puppet, Ansible, Docker, Kubernetes, Terraform, ELK, Open Stack |
| **Web Development** | HTML5, CSS3, AJAX, XML, XPATH, and JavaScript, JSP, and jQuery |
| **AWS** | EC2, S3, RDS, Elastic Beanstalk, CloudWatch, Code Commit, Code Build, Code Deploy, Code Pipeline, Azure, GCP |
| **Frameworks** | MVC, TestNG, Junit, Spring Boot, Microservices |
| **IDE Platforms** | Eclipse, NetBeans, Microsoft Visual Studio |

**Work EXPERIENCE:**

**Client: Ford Motor, Dearborn, Michigan Dec 2019 - Till Date**

**ROLE: Sr. Cloud/DevOps Engineer**

**Responsibilities:**

* Design, Build, Monitor and Enhance services and production environment with help of the **Java development team.**
* Developed and implemented an **Agile** SDLC and refinement of the Software Configuration Management (**SCM**) infrastructure.
* Involved in SDLC requirements gathering, analysis, design, development and testing of application, developed using **AGILE/SCRUM** methodology.
* Backup and recovery an **Azure** Virtual Machines from a Recovery Services vault.
* Involved in deployment of application on **Azure** server by creating packages.
* Setup **Jenkins** tool to integrate the **JAVA** project and maintained **Jenkins** with continuous integration and deployment.
* Designed and implemented scalable, secure cloud architecture based on **Amazon Web Services**.
* Used **Jenkins** pipelines to drive all **Microservices** builds out to the **Docker** registry and then deployed to **Kubernetes**, Created Pods and managed using **Kubernetes**.
* Setup and build **AWS** infrastructure various resources, **VPC EC2**, **S3**, **IAM**, **EBS**, **Security Group**, **Auto Scaling**, and **RDS** in Cloud Formation **JSON** templates.
* Set-up databases in **GCP** using **RDS**, storage using **S3** bucket and configuring instance backups to **S3** bucket. prototype **CI/CD** system with **GitLab** on **GKE** utilizing **Kubernetes** and **Docker** for the runtime environment for the **CI/CD** systems to build and test and deploy.
* Use of **Docker** and **Kubernetes** to manage **Microservices** for development of **Continuous Integration** and **Continuous Delivery**.
* Container management using **Docker** by writing **Docker** files and set up the automated build on **Docker** **HUB** and installed and configured **Kubernetes**.
* Created Automated pipelines in **AWS CodePipeline** to deploy **Docker** containers in **AWS ECS** using services like **AWS CloudFormation, AWS Code Build, AWS CodeDeploy, S3 and Puppet.**
* Worked with **Terraform** to create **AWS** components like **EC2, IAM, VPC, ELB, Security groups.**
* Intense passion for automation and streamlining activities such as unit test automation and **CI/CD**.
* Management and design of integrated build pipelines using continuous integration and continuous development workflows such as **Jira**, **Git, Jenkins,** and **Chef**.
* Implemented **AWS Code Pipeline** and Created **Cloud formation JSON** templates in **Terraform** for infrastructure as code.
* Excellent knowledge of **HTML5, CSS3, AJAX, JavaScript, jQuery, SQL**, **JSP** and **Web Services**.
* Experience with **RDBMS** platforms such as **Oracle, MySQL**, and **PostgreSQL**. Working knowledge of NoSQL platforms such as MongoDB and search engines like Elastic Search.
* Worked in using **Dockers, Puppet/ Chef scripts** to build anddeployed spring boot applications.
* Helped in creating a next generation platform using **CoreOs Linux** with fleet / **Kubernetes** based on **Docker** containers running in a microservices ecosystem on **VMWare ESXi**.
* Development with **Agile** methodologies and **JIRA.**
* Strong **Java/JEE** background in development and support roles.

**Environment: JAVA8, Agile, MySQL, JIRA, Chef, Docker, Angular, Docker AKS, HTML5, AJAX, CSS3, JavaScript, jQuery, Azure, Azure DevOps, AWS, AWS Auto Scaling, Jenkins, EC2, AWS S3, Puppet, VPC EC2, IAM, EBS, AWS CodePipeline, AWS CloudFormation, AWS Code Build, AWS CodeDeploy, Kubernetes, Terraform, SCRUM**

**Client: United Group Health(UHG), Irving, TX Sep 2018- Nov 2019**

**Role: Sr. Cloud/DevOps Engineer**

**Responsibilities:**

* Designs, develops, and maintains a set of enterprise class web applications in **JAVA** technologies.
* Regular Build jobs are initiated using the Continuous Integration tool like **Jenkins**.
* Implemented a continuous Delivery pipeline with **Docker**, **Jenkins**, **GitHub,** and **AWS**.
* Automated **CI/CD** process using **Jenkins**, build-pipeline-plug in, **Maven, SVN**.
* Effectively communicate the differences between **Azure** and on-site technologies and the benefits of each type of deployment.
* Build Data Sync job on Windows **Azure** to synchronize data from **SQL 2012** to **SQL** **Azure**.
* Create Cache Memory on Windows **Azure** to improve the performance of data transfer between **SQL Azure** and **WCF services**.
* Involved in Automation of regular administration tasks with the Shell Scripting and Configuration management tool such as **Chef**.
* Automated the monitoring, Configuration Management, Log Aggregation of the Systems and Centralizing SIEM with **AWS Cloud Formation**, **Chef**, **Nagios**, and **Elastic Search**.
* Implemented **DevOps** best tools and practices such as centralized logging (**ELK**) server monitoring **Nagios** and Automation **Ansible**.
* Using **Ansible** inventories to define groups of hosts Exceptional Customer Service.
* Creating and using **Ansible** templates to create customized configuration files for hosts Technical Support .
* Designing and Implementing Cloud Orchestration Solution Google Compute Engine, Microsoft **Azure** and **AWS EC2**.
* Involved in using **Terraform** and maintaining user accounts (**IAM**), **SQS**, **SNS** Services on **AWS** cloud.
* Worked with **Terraform** Templates to automate the **Azure Iaas** virtual machines using **terraform** modules and deployed virtual machine scale sets in production environment.
* Responsible for implementing monitoring solutions in **Ansible**, **Terraform**, **Docker**, and **Jenkins**.
* Experience working on cloud technologies, Amazon Web Services (**AWS**) and **Azure**.
* Hands on experience on **Azure VPN-Point to Site**, **Virtual networks**, **Azure Custom security**, end point security and **firewall**.
* Integrated and worked with **Red Hat Open Shift** container platform to run **Docker** containers and **Kubernetes** clusters.
* Used **Kubernetes** to manage containerized applications using its nodes, ConfigMaps, selector, Services, and deployed application containers as Pods.
* Created cookbooks and recipes in **Chef** for continuous deployment.
* Worked with **Puppet Master** and **Puppet Agents**. Defined **Puppet Master** and **Puppet Agents** to manage and configure nodes.
* Architected and implemented automated Cloud infrastructure using **Puppet**.
* Automated the application and **MySQL** Container deployment in **Docker** using **Python**.
* Placed data into **JSON** files using **Python** to test **Django** websites.
* Build application and database servers using **AWS EC2** and used **RDS** for **Oracle DB**.
* Experienced with version control tools like **GIT** and **SVN** and integrated build process with **Jenkins**.
* Migrate **IaaS**, **PaaS**, and **SaaS** instances between public and private clouds - **Apache** , **RDBMS** , **Unix/Linux**, **NAS/SAN**, **LAN/WAN VPN**, **Security**, **IDS**, and **Firewalls**.
* Involved in **JIRA** as defect tracking system and configure various workflows, customizations and plug-ins for **JIRA** bug/issue tracker, integrated Jenkins with **JIRA** , GitHub.
* Conversant in the latest front-end techniques such as **JavaScript**, **jQuery**, **CSS3** and **HTML5**.
* Well-versed and active user of **GitHub**.

**Environment: JAVA, CSS3, HTML5, AWS EC2, MySQL, JavaScript, CI/CD, JIRA, GIT, SVN, Oracle DB, jQuery, AWS, Jenkins, Azure AD, Microsoft Azure, Azure DevOps, SQL Azure, GitHub, Docker, Kubernetes, Maven, Chef, AWS EC2, RDS, ELK, Ansible, AWS Cloud Formation, Terraform**

**T-Mobile, Seattle, WA**

**Site Reliability Engineer May2017- Aug 2018**

**Responsibilities:**

* Involved in **DevOps** migration/automation processes for build and deploy systems.
* Implemented the Build automation process for all the assigned projects in Vertical Apps domain.
* Automated setting up server infrastructure for the **DevOps** services, using **Ansible**, **Shell**, and **Python** scripts.
* Performed DevOps for **Linux**, **Mac**, and **Windows** platforms.
* Administering and supporting Windows-based **.Net** application hosted on **IIS**.
* Strong knowledge of **Unix/Linux**, **Apache**, performance tuning concepts, and web applications
* Strong knowledge of **TCP/IP** networking, **SMTP,** **HTTP**, **load-balancers**, highly available network servers
* Worked as **AWS** (**EC2**, **S3**, **Elastic Beanstalk)** admin.
* Develop and maintain custom internal scripts to automate the management of **AWS** and cloud environments.
* Experience in setting up **VPN** environment for Client and Configuring and launching **AWS EC2** instances as per requirement.
* Used **CI/CD** tools **Jenkins**, **Git/GitLab’s**, **Jira**, and **Docker** registry/daemon for configuration management and automation using **Ansible** .
* Experience with container-based deployments using **Docker**, working with **Docker** images, **Docker** hub and **Docker** registries, installation and configuring **Kubernetes** and clustering them.
* Used **Kubernetes** to deploy scale, load balance, scale and manage **Docker** containers with multiple names spaced versions.
* Developed **CI/CD** system with **Jenkins** on Google's **Kubernetes** container.
* Configured and maintained **Jenkins** and **Docker** for Continuous Integration and end to end automation of all build and deployments, also have good knowledge on **XL deploy** and **CodeDeploy** as release automation solution.
* Worked in an Agile team, in particular **SCRUM.**
* Hands on experience on Automation of configuration and management through **Puppet** and in Implementing **Puppet dashboard** and **Puppet database**.
* Created Custom **Puppet** modules for bootstrapping new servers with required application dependencies and packages.
* Strong written & oral communication skills are essential. Proven ability to write bugs, test cases, problem reports.
* Supported the code builds by integrating with continuous integration tool (**Jenkins**).
* Written **Maven** scripts, Installed **Jenkins**, written shell script for end-to-end build and deployment automation.
* Manage configuration of **Web App** and Deploy to **AWS** cloud server through **Chef**.
* Created **Chef** manifests and modules to automate system operations.
* Analyzes, designs, coordinates, and codes the development of software systems to form a basis for the solution of information processing problems using **Java/HTML5/CSS3/JavaScript/SQL**.
* Provided technical assistance to the client for future upgrades to the development tools such as **Eclipse.**

**Environment: Java, Python, Shell CSS3, HTML5, MySQL, JavaScript, jQuery, XML, JIRA, Eclipse, SCRUM, Git, Gitlab, PowerShell, Bash, Agile, AWS, EC2, S3, Elastic Beanstalk, Chef, Puppet, Jenkins, Maven, Docker, Web App, XL Deploy, Code Deploy, SCRUM**

**Client: Finetek Software Solutions Pvt Ltd, Chandigarh, India Oct 2015- Jan 2017**

**Role: DevOps Engineer**

**Responsibilities:**

* Created a website to administer online examinations for high school students. Provided technological support regarding the operations of the website.
* Involved in all phases of the Software development life cycle (**SDLC**) using **Agile** Methodology, designed use case diagrams, class diagrams, and sequence diagrams as a part of Design Phase.
* Method references are used provided in **Java8** to make use of methods already named.
* Worked on **HTML5, CSS3, JavaScript, jQuery, SQL**, and Web Services
* Developed **VBA scripts** to perform data segregation of new data based on historical data inputs.
* Using **Jenkins AWS Code Deploy** plugin to deploy to **AWS**.
* Worked on using **Chef Attributes**, **Chef Templates**, **Chef recipes**, **Chef files** for managing the configurations across various nodes.
* Involved in setting up Test automation and developed **cucumber** feature files and used **Selenium** for automated testing with **TestNG**.
* Set up the Jenkins **CI/CD** process and **Jenkins’s** master slaves for the entire **CI/CD** infrastructure.
* Deploying scripts for build, maintenance, deployment, and related tasks using **Dockers**, **Jenkins**, and **Maven**.
* Extensively used **Maven** tool to do the builds, integrated **Maven** to **Eclipse** and did local builds.
* Hands on Experience on Querying **RDBMS** such as **Oracle**, **MY SQL**, **NO SQL**, **Cassandra**, and **SQL Server**.
* Involved in setting up **JIRA** as defect tracking system and configured various workflows, customizations, and plugins for the **JIRA** bug/issue tracker.
* Maintained and executed build scripts by coordinating with development and **QA** teams.
* Installed, Configured and Maintained, **APACHE**, **TOMCAT** and **JBOSS** servers in **Red Hat LINUX** environment.
* Experience supporting **Windows**, **IIS7.x** and **.NET 3.5/4.x** applications in a production environment.

**Environment: Java Stack, CSS3, XHTML5, PHP5, MySQL, JavaScript, jQuery, JIRA, TestNG, JEE, XML, AWS, AJAX, HTML5, Docker, Jenkins, Chef, Maven, CI/CD, Apache, Tomcat, JBoss, Red Hat Linux**

**Client: ADC Bank, Ahmedabad,India**

**Role: Jr. DevOps Engineer April 2014 – Sep 2015**

**Responsibilities:**

* The Project included the development of a website to streamline event planning, reducing the management aspects as concisely and efficiently as possible.
* Have reviewed, analyzed, developed, and modified computer applications.
* Participate in the redesign web site using modern web development technologies and techniques.
* Around 1 year of working with and knowledge of Model-View-Controller (**MVC**) software architecture.
* Involved in **SDLC** Requirements gathering, Analysis, Design, Development, Testing production of application using **Waterfall** model.
* Designs, develops, and maintains a set of enterprise class web applications in **JAVA** technologies – both frontend and backend (**jQuery, AJAX, HTML5, CSS3, JAVA**).
* Used **Log4j** for logging purposes.
* Follow best software development practices to ensure high quality product.
* Involved in developing of test procedures for **unit testing**and testing of the module.
* Involved in migrating applications to the **AWS** cloud.
* Deployed **Java** applications in **WebLogic** application servers .
* Automated the build process using **Jenkins** and scheduled build jobs daily for the sanity check of the **Java** code checked in by the developers.
* Executed user administration and maintenance tasks including creating users and groups, reports, and queries .
* Used **Jira** as ticket tracking and workflow tool.
* Used **Jenkins**, Build forge for Continuous Integration and deployment into **Tomcat** Application Server.
* Used **Subversion** as source code repositories.
* Implemented the setup for Master slave architecture to improve the Performance of **Jenkins** .
* Software Development background in **.NET** or **J2EE** stack

**Environment: Java, Log4j, HTML5, CSS3, AJAX, Jquery, and MySQL Server, AWS, WebLogic, Jenkins, Jira, Tomcat, Subversion**