**MEHUL PADWAL**

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**AWS JAVA DEVELOPER**

**PROFESSIONAL SUMMARY:**

* A **Java/J2EE Developer** over 6+ years of IT experience in Design, Development, experience in AWS and strong knowledge on **Amazon Web Services (AWS)** Cloud services like **EC2, S3, EBS, RDS, VPC**, and **IAM**.
* Experienced in all phases of SDLC including analysis, design, coding and testing, expertise in integration using J2EE architecture.
* Expertise in J2EE Technologies**: JSF, XML, EJB, JSP, Servlets, JMS, JDBC, Java Script, Hibernate**.
* Responsible for designing, implementing, and maintaining complex software systems.
* Expertise in developing Client/Server and Internet Applications using JAVA5/7/8 J2EE technologies like JSP, Servlet, Spring, Hibernate, JDBC.
* Extensive experience in **J2EE technologies** such as **JSP, Servlets, JSF, EJB, RMI, JNDI, Struts, spring, Hibernate, Java Standard Tag Library, Custom Tag Libraries, JDBC, JUnit, JMS, XML, and Web Services**.
* Very strong conceptual and hands on programming skills on multi-threading, Collections, Concurrency, Garbage collection, Exceptional Handling, Memory management, and OOPS concepts in **core java**.
* Extensive experience in Use cases development, Design, Object/Service modelling using UML modelling.
* Proficient in implementing **Design patterns** like Singleton, Factory, DAO, and DTO.
* Extensively used **Spring frameworks**.
* Experience in developing and deploying applications using servers such as **Apache Tomcat**, **WebLogic,** **IBM** **WebSphere and JBoss**.
* Worked with Object Relational Mapping (ORM) tools like **Hibernate**.
* Created Amazon VPC to create public-facing subnet for web servers with internet access, backend databases & application servers in a private-facing subnet with no Internet access.
* Experienced in creating Amazon EC2 instances and setting up security groups. Configured Elastic Load Balancers with EC2 Auto scaling groups.
* Experience in working with third party applications in AWS cloud.
* Creating Snapshots and **Amazon machine images (AMIs)** of the instances for backup and creating clone instances.
* Experience involving configuring **S3 versioning** and lifecycle policies to backup files and archive files in glacier.
* Configured **AWS Identity and Access Management (IAM)** users and groups for improved login authentication.
* Defined AWS security groups which acted as virtual firewalls to control the incoming traffic onto one or more AWS EC2 instances.
* Excellent understanding of **Hadoop architectur**e and complete understanding of Hadoop daemons and various components such as with HDFS.

**EDUCATION:** MS in Computer Science

**TECHNICAL SKILLS:**

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| --- | --- |
| **Programming Languages** | Java, Python, SQL, PL/SQL |
| **Cloud Computing** | Amazon EC2, Amazon S3, Amazon RDS, AWS Lambda, Amazon SQS, AWS Identity  and access management, AWS CloudWatch, Amazon EBS other services of  the AWS family. |
| **Frameworks** | Spring, Hibernate, Maven, Junit, Struts, JSF, BootStrap and Log4J |
| **Web technologies** | XML, HTML, CSS,RESTful API, JavaScript |
| **IDE Tools & Other** | Eclipse IDE, Visual Studio, Android Studio |
| **Database** | MySQL, AWS DynamoDB, Oracle 10g/11g, SQL Server |
| **Operating Systems** | Windows, LINUX |
| **Application / Web Servers** | BEA Weblogic, Apache Tomcat, WebSphere, OC4J |

**PROFESSIONAL EXPERIENCE:**

**ROLE:AWS Java Developer**

**Client: SiriusXM Radio, New York, NY JUN. 2019 – Till Date**

**Responsibilities:**

* Used AWS to deploy the project on an EC2 instance. Have created highly fault tolerant, highly scalable Java application using AWS Elastic Load Balancing, EC2, VPC and S3 as part of process and security improvements.
* Agile (TDD) method of development was followed.
* Designed and developed the web application using Java8/J2ee.
* Implemented POC (Proof of Concept) of an existing system using Java 8.
* Implemented Lambda Expressions and Stream API using Java 8.
* Implemented Spring Boot Framework for dependency injection (IOC) to inject beans.
* Implemented Spring MVC framework which includes writing Controller classes for handling requests, processing form submissions
* Generated DAO's to interact with MySQL RDBMS using Hibernate. Used HQL (Hibernate Query Language) and Criteria for database querying and retrieval of result.
* Involved in consuming, producing Restful web services using JAX-RS with spring Boot.
* Used Agile Methodologies and SDLC for managing the life-cycle development of the project.
* Identifying appropriate AWS service based on compute, data availability, security requirements and storage.
* Experience setting up instances behind Elastic Load Balancer in AWS for high availability.
* Implemented and maintained the monitoring and alerting of production and corporate servers/storage using AWS Cloud watch and AWS Simple Notification Service.
* Used Docker hub for creating Docker images and handling multiple images primarily for middleware installations and domain configurations.
* Worked on Docker container snapshots, attaching to a running container, removing images, managing Directory structures and managing containers.
* Used GIT as version control across a common source code used by developers.
* Used Maven as build tools for the development of build artifacts on the source code.
* Actively involved in the DevOps streamlining process through Jenkins CI and CD Release Automation.
* Configured Ansible to manage AWS environments and automate the build process for core AMIs used by all application deployments including AutoScaling, CloudFormation and Terraform scripts.
* Installed Jenkins on a Linux machine and created a master and slave configuration to implement multiple builds through a build farm.
* Implemented Continuous Integration and deployment into Tomcat Application Server using Jenkins.
* Worked on JIRA tool for Quality Centre bug tracking

**Environment:** Java-8, J2EE, Struts, EJB, Agile Methodology, Hibernate, Web services, Restful, AWS, UNIX, LINUX, UML, SQL, Apache Tomcat, Oracle, Spring Boot, MySQL, RDS, PL/SQL, Maven, GIT, JIRA, Jenkins, Docker.

Role: Java Cloud Developer

**Client :Triumph Business Capital, Dallas,TX** J**AN.** 2018-M**AY.** 2019

**Responsibilities:**

* Involved in all stages of Software Development Life Cycle (SDLC) of the project in agile methodology.
* Participated daily SCRUM meeting, sprint grooming/review and demo with management and other teams.
* Involved in writing Java API for Amazon Lambda to manage some of the AWS Services.
* Experienced with event-driven and scheduled AWS Lambda functions to trigger various AWS resources.
* Integrated AWS Dynamo DB using AWS Lambda to store the values of the items and backup the Dynamo DB streams.
* Automated operations process using Lambda, Cloud Watch Events and Schedules.
* Responsible for maintaining and expanding AWS (Cloud Services) infrastructure using AWS Stack especially worked with database setup and maintenance on AWS EC2.
* Defined AWS Security Groups which acted as virtual firewalls that controlled the traffic allowed reaching one or more AWS EC2 instances.
* Implemented and maintained the monitoring and alerting of production and corporate servers/storage using AWS Cloud Watch.
* Installed the application on AWS EC2 instances and configured the storage on S3 buckets.
* Auto scaling the instances to design cost effective, fault tolerant and highly reliable systems.
* Configuring of Virtual Private Cloud (VPC) with networking of subnets containing servers.
* Integrated REST API with Microservices for communicating through resources using Spring Rest Templates and developed Restful web services interface to Java-based runtime engine and accounts.
* Used Groovy, Java and Node JS for developing the Microservices required for the project.
* Worked on developing the backend processing code for smart home applications like turn on/off lights, dimmer and switches on smartphone.
* Implemented functionality like searching, filtering, sorting, validating using AngularJS and JavaScript.
* Designed and developed End to End customer self service module using annotation-based Spring MVC, Hibernate and JQuery.
* Initiated mappings among the relations and written named HQL queries using Hibernate.
* JIRA and Confluence were the tools used to keep things in check.
* Implemented complete Maven build life cycle to achieve organized application structure and conflict free dependencies in pom.xml file.
* Used JUnit for testing the unit test cases.
* Developed GIT controls to track and maintain the different version of the project.

**Environment:** Java, J2EE, HTML5, CSS3, Java Script, JQuery, Spring, Hibernate, MVC, Restful Web Services, MAVEN, Web Sphere, AWS (Lambda, DynamoDB, EC2, Cloud Watch, S3, IAM, VPC, Auto-Scaling), Jenkins, JIRA, GIT, Agile.

**ROLE: Java Developer**

**Client: Accenture ,Mumbai , INDIA**  NOV. 2016 – DEC. 2017

**Responsibilities:**

* Involved in understanding and analyzing the requirements of the project.
* Followed Waterfall Methodology to implement the features.
* Used Java JDK features to implement the functionalities.
* Designed and developed the User Interface using HTML, JavaScript, AJAX, and CSS.
* Implemented Struts MVC design pattern and front controller pattern.
* Developed Action Class components for performing business process execution and involved in configuration of struts configuration specific xml file.
* Created and handled Custom-Exceptions that are related to business operations. Created child Threads to improve the performance by running some independent tasks at background.
* Developed Server-Side components for the business services for creating Items, BOM, Sourcing Rules, and substitute.
* Used Log4j for logging purposes during the development of the application.
* Used JDBC to interact with the underlying MySQL Database.
* Extensively worked on SQL for writing complex queries in the business logic layer.
* Deployed Applications on Apache Tomcat Server and used CVS as the version control manager.
* Used Mantis for tracking the issues and for enhancements of any features.
* Used Eclipse IDE to integrate the different frameworks to build the overall application.

**Environment:** Java, JDBC, JDK, Servlets, Struts, JSP, Hibernate, Java Mail API, AJAX, HTML, XML, ANT, Log4J, CVS, RAD, Putty, MySQL, Mantis, Apache Tomcat, Eclipse IDE, Waterfall Methodology.

**ROLE:** **Java Developer**

**Client : GCS Americas**, INDIA AUG. 2014 – OCT. 2016

**Responsibilities:**

* Designed and developed web application using SOA.
* Developed business requirements using Java, JSF, Spring MVC and Hibernate ORM frameworks.
* Used Core Java concepts multithreading, collections.
* Prepared unit test cases using JUnit and Mockito frameworks.
* Created Persistence classes using JPA annotations.
* Used Spring AOP module to handle the entire transaction with the database.
* Used Oracle DB as the backend database.
* Wrote procedures, views and packages by PL/SQL queries on Oracle DB.
* Wrote queries to save the data and retrieve the data from Oracle database using spring.
* Proficient in making script for information displaying and information import and fare. Broad involvement in sending, overseeing and creating MongoDB clusters.
* Used tool Webpack as task runner and for arranging and coordinating the build process.
* Worked with Log4J for printing the log, debug and warning information on the server console.
* Development carried out under Eclipse Integrated Development Environment (IDE).
* Used Maven as build tool and Jenkins for continuous integration development.
* Used Maven for building the application and deployed on JBoss.
* Used version controller tool CVS.
* UML diagrams like use cases, class diagrams, interaction diagrams (sequence and collaboration) and activity diagrams were used.
* Involved in the team for delivering the tasks and monitoring the team progress through JIRA.

**Environment:** JSF, Spring MVC, Hibernate ORM, JUnit, Mockito, Jacoco, Protractor, JBehave, JPA, Spring AOP, UML, JIRA,

Oracle10g, MongoDB, WebPack, Log4j, jQuery, Eclipse, Maven, Jenkins, Linux, JBoss, CVS.