**Rahul Chekuri** 

**SENIOR JAVA/AWS CERTIFIED DEVELOPER**

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**PROFESSIONAL SUMMARY:**

* IT professional with7+ years of experience in development of JAVA/J2EE with AWS.
* Expertise in developing multi-tier web application projects using J2EE (JAVA, JSP, JDBC, Servlets, Struts), Spring Framework (Spring Core, Spring AOP, Spring JPA, Spring MVC), HTML, JavaScript and Micro services.
* Worked on web servers like Apache and application servers like WebSphere and Tomcat to deploy code.
* Good experience on DevOps tools such as Chef, Vagrant, Virtual Box, Puppet, Ansible, Jenkins, Maven, ANT, SVN, GIT, and Docker.
* Well versed with creation of puppet profiles and role modules.
* Leaded the application migrations from scratch by providing the proof of the concepts for the migration.
* Developed and modified SQL queries and stored procedures to meet business requirements and achieve desired performance.
* Experience in design and development of web based applications using HTML, Angular JS,CSS, JavaScript, JSP and Servlets.
* Well versed with OpenStack based cloud infrastructure.
* Used Web Services like SOAP and RESTful web services using HTML, XML, JSON
* Customized RESTful Web Service using Spring RESTful API, sending JSON format data packets between front-end and middle-tier controller.
* Developed RESTful web services interface to Java-based runtime engine and accounts.
* Used GIT for version controlling in designing.
* Extensive experience in Amazon Web Services (Amazon EC2, Amazon S3, Amazon Simple DB, Amazon EBS, Amazon RDS, AWS Cloud Watch, Amazon Elastic Load Balancing, Amazon SQS, AWS Identity and access management and Amazon Cloud Front).
* Good knowledge in DevelopedJava API to connect withAWS S3 Services for storing and retrieving data stored in the S3 buckets.
* Good knowledge onAWS cloud formation templates and configured SQS service through java API to send and receive the information.
* Designing with MVC Paradigm, object-oriented principles/methodologies.
* Closely worked with Developers and Analysts to address project requirements. Able to effectively manage time and prioritize multiple projects.
* Dockerized applications by creating Docker images from Dockerfile.
* Excellent communication, team membership and relationship management skills.
* Experienced in managing time and workload effectively which includes planning, organizing and prioritizing the work.

**TECHNICAL SKILLS:**

* Languages : Java/J2EE, C, C++, SQL, NOSQL, COBOL, JCL
* Operating systems : Unix, Mac, Windows 95/ 98/NT/2000/XP, Mainframe.
* Java technologies : Core java, J2EE, JSP, Servlets, JDBC, Struts, Spring, Spring Boot, Micro services.
* Web Technologies : JavaScript, Angular JS, HTML, XML, CSS, RESTful.
* Application /Web Server : Tomcat 9.0 and WebSphere, JUnit3.x, GitHub.
* Cloud Foundry : Amazon web services (S3, EC2; RDS instances).
* CI Tools : Jenkins, Hudson, Cruise control Anthill pro, Bamboo,

Ansible, RunDeck, Chef and Puppet.

* Virtualization\containers : Amazon AWS, Oracle Virtual Box, Docker, OpenStack, VMware.
* Database : Oracle (11g, 10, 9) SQL Server, MySQL, MONGODB ,Dynamodb, DB2
* Open Source Tools : Apache Struts1.x/2.x, Spring 2.0, jQuery2.0.
* Frameworks : Spring 2.x, Hibernate2.x/3, Struts2.0, Spring Core-Container.
* IDE : Eclipse 3.x, Spring Tool Suite.
* SDLC : Agile Scrum, Waterfall model

**EDUCATION:**

**Bachelor’s in Computer Science Engineering.**

**PROFESSIONAL EXPERIENCE:**

**Client: Verizon Telecom,BaskinRidge, NJ  July’15 –Till date**

**Role**: **Java/AWS Developer**

**Responsibilities:**

* Worked onAWS cloud services like EC2, S3, RDS, ELB, and EBS for installing, configuring and auto scaling.
* Maintain and develop enterprise web applications to support the Service bench web Application and associated businesses.
* Utilized Configuration Management Tool Chef& created Chef Cookbooks using recipes to automate system operations.
* Written Chef Cookbooks for various DB configurations to modularize and optimize end product configuration, converting production support scripts to Chef Recipes and AWS server provisioning using Chef Recipes
* Installed and configured configuration tool such as ChefServer / workstation and nodes via CLI tools to AWS nodes
* Used Kubernetes to deploy scale, load balance, scale and manage Docker containers with multiple name spaced versions.
* At CoreOS, we use the kube-aws CLI tool to automate cluster deployment to AWS
* Configuring and Networking of Virtual Private Cloud (VPC) Written Cloud Formation templates and deployed AWS resources using it.
* Created local repository to connect Linux server to RHEL site for downloading packages and patches.
* Manage AWS EC2 instances utilizing Auto Scaling, Elastic Load Balancing and Glacier for our QA and UAT environments as well as infrastructure servers for GIT and Chef.
* Implemented functionality like searching, filtering, sorting, validating using Angular JS and JavaScript.
* Integration of user-facing elements developed by front-end developers with server side logic using Node.js.
* Automated deployment of builds to different environments using Jenkins
* Strong experience utilizing Jenkins for enterprise scale infrastructure configuration and application deployments – checking out code from svn/git and use ant/maven to build war/jar artifacts and creating pipelines
* Involved in High Level Design Calls and getting the information from the HLD authors related to the project.
* Preparing the Technical Design Documents from the HLD and BRD documents and assigning the work to the team members.
* Helping the team members in coding and testing the projects and get the code deployed on time.
* Design and develop applications using micro services with SpringBoot, SpringIOC, Restful, WebServices, JavaScript.
* Worked closely with UI designers to understand the intuitive prototypes for better understanding of developing mobile application.
* Prepared the POC models for the existing the business-critical applications to reduce the operational costs and improving the performance
* Involved in mapping data base tables with Business objects using Hibernate. Environment: Spring MVC, Oracle 10g, Hibernate, RESTful Web services, My Eclipse IDE, WebSphere Application Server, Java, JSP, HTML, JMS, Java script, JQuery, SQL.
* Used Spring Dependency injection, Spring MVC and action listeners for values in the front-end.
* Deep understanding of existing AWS technologies and experience with integrated public cloud services.
* Used MongoDB in conjunction with the AWS S3 for storing the metadata information on MongoDB collections.
* Worked onAWS IAM to grant fine grained access to AWS resources through configuration of roles, policies and web identity federation. Configured S3 versioning and life-cycle policies to backup files.
* Migrated business critical applications to Amazon Cloud.
* UtilizeAWS CLI to create and access Resources.
* Worked on agile Methodologies and involved in daily stand-up calls and creating the user stories and taken care of the sprint planning.
* Created S3 buckets for EC2 instances to store all the content including HTML pages, images, CSS files and script files.
* Worked on EncryptingAWS S3 storage Objects.
* Inventory groups are added for Amazon Ec2 for instances and monitoring AWS hosts.
* Good knowledge in AWS Content Data Network (CDN) like cloud front.
* Experienced In setting up ofAWS RDS and Dynamo DB instances.
* Experience in monitoring and auditing tools likeAWS cloud Watch and Cloud Trial.
* Created Buckets in AWS and stored files. Enabled Versioning and security for files stored.
* Maintains a working knowledge of Asurion's applications and system integration and able to understand changes to anticipate cross -system to cross- process impacts.
* Used AWS Beanstalk for deploying and scaling web applications and services developed with Java, PHP, Node.js, Python, Ruby, and Docker on familiar servers such as Apache, and IIS
* Collaborated with the Quality Assurance team to ensure that appropriate adherence to Asurion's inter departmental processed and procedures are follows as it relates to testing.
* Involved in development of middle layer business methods, which incorporated the core business functionality using Stateless Session Beans.
* Effectively communicated the feasibility of requested deliverables and timelines to project manager.
* Developing Docker images to support Development and Testing Teams and their pipelines
* Developed server-side services using Core Java concepts, Involved in core Java technologies multithreading, exception handling.
* Developed Restful WebServices using Spring Boot in Spring tool suite.
* Directly work on production support of Linux Scripting.
* Experience with CI (Continuous Integration) and CD (Continuous Deployment) methodologies using Jenkins/Hudson.
* Developing scripts for build, deployment, maintenance and related tasks using Jenkins, Docker, Maven and Python
* Implemented Ansible to manage all existing servers and automate the build/configuration of new servers.
* Developed an Ansible role for Zabbix-agent which will be integrated into the to the CICD pipeline.
* Used document all infrastructures into version control.
* Configured and deployed patched upgrade bug Ansible to
* Fixes on both physical and virtual RedHatLinux servers using satellite server based Linux tools.
* Develop spring XML's for binding the components together.
* S3 API implementation for accessing S3 bucket data files.

**Tools/Environment**:Java JDK1.7, JSP, Spring2.5, GIT, RESTful,LINUX script, Oracle 11g, PL/SQL, AWS,CI-CD tools, Oracle DB, Spring Boot, micro services, Docker,Apache TOMCAT 9.0, MongoDB, Chef, Puppet, Jenkins, VDI, VPC, Route53, EBS, ELB, Cloud watch, RunDeck, Cloud Formation, Docker, Jira, AWS CLI, AWS Auto Scaling, Python, Angular.js, Ruby, Shell scripting, Git.

**Client: ADP Tax & Financial services, San Dimas, CA Oct’13 – June’15**

**Role: Java/AWS Developer**

**Responsibilities:**

* Release Management is responsible for the proven deployable solution to Client and isaccountable for planning, packaging, delivery and tracking solution.
* Created newAWS cloud Formation templates and established a NAT connection for on premises.
* Setup and buildAWSinfrastructure various resources, VPC EC2, S3, IAM, EBS, Security Group, Autoscaling, and RDS in Cloud Formation JSON templates.
* Developed REST services to talk with adapter classes and exposed them to front-end and enforced a stateless client server and support JSON (few changes from SOAP to RESTFUL Technology).
* Translated the user requirements into UI designs in the form of conceptual models, and prototypes.
* Involved in creating reusable components, Java Beans and DAO for getting data from database tables.
* Developing web-services for different functionalities in the application in SOAP and REST architectures.
* Divided the application services into Micro services and develop them using Spring Boot.
* Streamlined the Responsive Web Design to enhance the User Experience and developed designs for the prototypes for the Mobile UI.
* Developed Web Services to implement SOA using SOAP.
* Extensively involved in developing Restful WebServices.
* Effectively interacted with team members for RequirementsCapture and Analysis.
* Responsible for Understanding the scope of the Project and Requirement gathering.
* Responsible for creation of Beans, Controller classes JSPs.
* Designed, Build and Enhanced the In-bounds and Out-bounds using Oracle and LINUXshell for the GTS.
* Configured SpringWebMVCFramework to implement MVCdesign patterns.
* Worked on spring application framework features IOCcontainer and AOP.
* Involved in multithreading for the faster response of the applications.
* Involved in the integration of multiple layers in the application.
* Involved in debugging and troubleshooting related to production and environment issues
* Deployed the applications on Web Sphere Application Server 8.
* Used Log4J to print the logging, debugging, warning, info on the server console.
* Performed Unit testing.
* Performed E2E Testing.
* Performed the day to day analysis for issue tracking system.

**Tools/Environment:**Java1.7, J2EE [Servlet, JSP], XML, Spring Web MVC Framework, REST, SOAP, GITHUB, Spring2.5, Log4j, eclipse Framework, Perl, LINUX, AWK, Oracle 10/11g, SQL, PL/SQL, Apache TOMCAT 8.0, Spring Boot and micro services.

**Client: Bank of America, NYC,NY Dec’11 – Sep’13**

**Role**: **Java/AWS Developer**

**Responsibilities:**

* Worked with Business Analysts in requirement gathering.
* Being a Java developer, performed requirement analysis, Design, development, integration, testing.
* Responsible for developing the UI pages using HTML5, CSS3, JavaScript, JSON, and AngularJS, AJAX.
* Developed cross-browser/platform HTML 4/5, CSS 3, and JavaScript to match design specs for complex page layouts while adhering to code standards.
* Migrated Cassandra cluster from one AWS account to another AWS account by using Cloud Formation Templates in JSON.
* Developed client side drop down menus, search bars, carousel, and drop down toggles using Twitter-Bootstrap and JQuery.
* Written Java script code for front end validation.
* Worked on custom libraries for business layer using Object oriented programming (OOPs).
* Implemented multi-threading, data structures, algorithms, object oriented concepts and design patterns.
* Used Object Oriented Programming concepts while developing code.
* Extensive Object Oriented Design Development skills. Skilled at handling the MVC pattern.
* Proven experience coding with the OOP paradigm. knowledgeable in Software Engineering Concepts including designing.
* In the backend used Spring MVC to validate and process requests, call required business service and return dynamic views to client.
* Implemented the Project structure based on Spring MVC pattern using spring boot.
* Used Spring Core Annotations for Dependency Injection (Spring DI) and Spring MVC for REST API s and Spring Boot for micro-services.
* All the functionality is implemented using Spring IO / Spring Boot and Hibernate ORM. Implemented Java EE components using Spring MVC, Spring IOC, Spring transactions and Spring security modules.
* Implemented complex back-end component to get the count in no time against large size MySQL database using Java Multi-Threading.
* Built Microservices for the delivery of software products across the enterprise.
* Designed and developed Microservices business components using Spring Boot.
* Designing and implementing scalable, RESTful and microservices-based back-end. The back-end is being written in Java using Spring Boot for simplicity and scalability.
* Data Access is performed using Hibernate.
* Writing JSP, Action Classes, Service classes and DAO using Hibernate for Issue management, Administration module.
* Developed the application in Flash Builder and deployed it on Tomcat application server proxied through secured
* http web server. REST web services leveraged by both web and mobile applications.
* Deployed and tested the application with web server Tomcat. Developed Interactive web pages using AJAX and JavaScript. Worked on Report Module, generating PDF/ CSV according to template.
* Configured the WebLogic’s JMS Server, created JMS connection factories, queues.
* JMS is used for communication for sending updates to various other applications and MDB for routing priority requests.
* Developed back-end stored procedures and triggers using PL/SQL, involved in database objects creation, performance tuning of stored procedures, and query plan.
* Configured and tested the application with database server SQL.
* All the Business logic in all the modules is written in core Java.
* Used Design patterns such as Business delegate, Service locator, Model View Controller, Session façade, DAO and DTO.
* Hands on experience in migrating existing Java application in AWS cloud using AWS SQS to decouple all the components to make best use of AWS.
* Implemented Ajax to refresh payment approval updates and to populate most of the credit form fields of the NETACE application that were sent as XML from backend.
* Worked on SQL statements and Procedures to do CRUD operations with DB
* Used SQL Developer to query, update and monitor Oracle database
* Used Log4J API for logging and debugging.
* Developed UNIX shell scripts for performing administrative tasks.
* Developed the application using Agile methodology.
* Worked on Java Messaging Services (JMS) for developing messaging services.
* Worked with Eclipse as the IDE to develop, test and deploy the application.
* GIT is used for version control systems and source code management.
* Pro-actively identify, troubleshoot and resolve live MongoDB issues.
* Created test cases using JUNIT and Mockito.
* Configured and set up JBoss Server for deployment.
* Used JIRA for tracking bugs.
* Used JENKINS for continuous integration.

**Environment:** Java/J2EE, Design Pattern, Spring, Hibernate 3.5, JavaScript, RESTful Web Services, AngularJS, JERSEY,JUnit, HTML, CSS3, Bootstrap, MongoDB, Micro Services, JBoss 4.2.3; Jboss 5.1 EAP,Camel, Ant, PL/SQL, RESTful API,JENKINS, GIT, Eclipse, Log4J, JIRA.

**Client: FRY’s Electronics- San Jose, CA Oct’10 – Nov’11**

**Role**: **Java Developer**

**Responsibilities:**

* Created Class diagrams and Use Case diagrams from design spec using Rational Rose. Implementation of J2EE Design Patterns like Singleton, Session Facade, Business Delegate, and Data Access Objects.
* Actively involved in design of the application architecture in lines of their own Framework based on MVC2 Architecture with JSP Front End (HTTP Request/Response Integration) as View, Servlet as Controller and combination of EJBs and Java classes as Model.
* Designed and developed presentation layer using JSP which acts as View in a distributed MVC architecture, which involves model components and controller components.
* Used Entity Beans to manage the transactions with the database to deliver the content to the presentation layer and to store the data into the data layer.
* Used Message Driven Beans for asynchronous messaging. Used Java Message Service API to create, send, receive, and read messages between application components.
* Developed Single-Sign- On (SSO) functionality, through which we can run SCM from Oracle Applications.
* Wrote complex MySQL queries and programmed stored procedures, packages and triggers.
* Involved in configuration of Servlets and Integration with JDBC .
* Extensively used JDBC concepts to connect to, retrieve and update information in the database.
* Used JMS for sending updates to various other applications.
* Used Servlets framework for design and development of web application
* Used JDBC for Object Relational Mapping and Persistence.
* Designed and developed business tier using EJBs. Used Session Beans to encapsulate the Business Logic
* Extensively used Eclipse 3.x while writing code.
* Developed XML and XSLT pages to store and present data to the user using parsers.
* Involved in configuration and deployment of application on WebLogic Application Server. Used CVS as Version
* Control System performed Module and Unit Level Testing with JUnit and log4j.
* Used Apache Ant for building the application. Gained a good knowledge about browser compatibility issues and their solutions.

**Environment:** Java 1.4/1.5, JSP 2.0, Servlets, JDBC, XML, JavaScript, HTML, XSLT, Jasper Reports, Firebug, Lotus Notes 8.5, Putty, MySQL, CA SCM Harvest, WebSphere Application Server 6.0, RAD 7.0.