# Ram Kumar Gutta

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**Sr. Java Developer Contact: (214)-617-4145**

## SUMMARY

* 9**+ years** of experience in Software Development Life Cycle (**SDLC**), Web Application Design, Development, Programming, Testing, Support Maintenance and End-User support using **core java**, **java/J2EE** technologies with **Web Sphere** and **Web Logic** application servers
* Proficiency in developing secure enterprise Java applications using technologies such as **JSP, SERVLETS, JAVA Beans, C++, EJB3, JMS, JNDI, JDBC, JSTL, PHP, XML**
* Worked on **Object oriented design and programming in C++, Java, Python, Shell Scripting Java Script**
* Experience on core Java technologies like **OOPS (Object Oriented Programming Structure), multi-threading, Collection, Interfaces, Synchronization, Exception Handling**
* Extensive experience working in **Spring framework, Struts framework, O/R Mapping Hibernate framework and web services**
* Excellent hands on Experience using **Spring MVC, Spring Boot, Spring DAO, Spring Data, Spring IOC, Spring Annotations, Spring AOP, Spring Transactions** and **Spring Security**
* Expertise in writing unit test frameworks using **Junit**, **MOCKITO**, **JMOCK and Easy Mock**
* Hands on expertise in design and developing **BDD** test cases and suites using **Cucumber/Gherkins** language.
* Working experience of Relational Database Management Systems(RDMS) like Oracle, SQL Server, MySQL, DB2 and Non-Relational Databases(NoSQL) like MongoDB, Cassandra, Couch DB, Hbase.
* Experience in using the JavaScript frameworks such as **JQUERY, React.js, Node.js & Twitter Bootstrap libraries**
* Experience in modeling presentation tier using **StrutsMVC2** (Model-View-Controller) architecture
* Excellent experience in **Angular.JS,** built UI service layer and Controllers with **Angular.JS** Dependency Injection
* Developed and executed Unit Test cases using **JUnit** framework by supporting TDD (Test Driven Development)
* Extensive development in **UNIX (AIX), Red Hat Linux, Windows NT/ 2000 / XP**
* Knowledge in **Agile** software development process, test driven development and Object-oriented modeling UML, Object-Oriented analysis and design, developing Use Cases, Interaction Diagrams (Sequence and Activity), Class Diagrams, and Package Diagrams using **Rational Rose & Visio**
* Developed **Maven, Gradle** and **ANT** scripts in to build and deploy **J2EE** Applications
* Extensive Knowledge on databases like **Oracle 9i/10g/11g/12c, DB2, MYSQL and No SQL**
* Hands on experience in working with the **UI technologies like HTML, CSS, JavaScript, Bootstrap, JSF, JSP tag libraries.**
* Experience in using **React JS** components, Forms, Events, Keys, Router, plus Redux, Animations and Flux concept.
* Good working knowledge in version control tools like **GITHUB**, **SVN**, **CVS** and **Rational Clear Case (repositories)**
* Expertise in developing the **web portals** using **SOA**, **MVC** frameworks using **spring** and **Struts**
* Worked with servers**IBM web sphere, web logic, JBoss** and **Apache's Tomcat**
* Expertise in writing Packages, Stored Procedures, Functions, Views and Database Triggers using **SQL** and **PL/SQL** in Oracle 12c, 10g, 11g, 9i
* Hands-on experience in **Apache Camel** integration framework
* Experience using **Jenkins, Maven** an open source continuous Integration
* Responsible in developing Spring Boot **Micro-services** from scratch
* Participated actively in production support to fix defects reported by clients and QA team
* Expertise in React JS framework to develop the SPA.
* Comprehensive fundamental understanding of **AWS** Cloud technologies
* Involved in designing and deploying applications utilizing **AWS stack** (Including **EC2, Route53, S3, RDS, Dynamo DB, SNS, SQS, IAM**) focusing on high-availability, fault tolerance, and auto-scaling in AWS Cloud formation
* Experienced in migrating applications to **AWS** and application deployment in the cloud (AWS) with **CI/CD tools** such as **Jira, Bit Bucket, Confluence, Bamboo, Chef and S3**
* Configured **JDBC, JMS, JNDI** in Web Logic Server 10.3/10.0/8.1
* Hands on expertise in **code optimization, query optimization, application performance optimization**
* Knowledge in developing applications using **Agile**, **SCRUM** and **water fall** methodologies
* **Have excellent analytical, problem solving, communication and interpersonal skills with ability to interact with individuals at all levels and ability to work independently.**

## EDUCATION DETAILS

* Bachelor’s in Computer Science and Engineering from Andhra University, India

**TECHNICAL SKILLS**

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| **Operating Systems** | Windows, Linux/Unix |
| **Programming Languages** | C, C++, Java 8, Groovy, Jscript, PL/SQL, UNIX, Python, Shell |
| **Java Technologies** | Spring (BOOT, BATCH, CLOUD, INTGRATION, WEBSERVICES, ORM, DAO, WEB, MVC, ASPECT), Struts, Core Java, j |
| **Cloud Technologies** | AWS, EC2, S2, RDS, LBS, IAM, SQS |
| **Web Services** | REST/RESTful (JSON), SOAP(XML), WSDL, UDDI, Jersey, Apache Axis |
| **CI/CD Tools** | Jenkins, Bit Bucket, GIT Hub |
| **Servers** | Apache Tomcat, Web Sphere, Web Logic, JBoss, Jetty |
| **Build Tools** | Maven, Ant, Gradle |
| **Messaging Platforms** | IBM WebSphere MQ, Active MQ, Rabbit MQ |
| **Databases** | Oracle, My SQL, No SQL-Mongo DB, DB2 |
| **Development Tools** | Eclipse, Intellij, Net Beans, RAD, JDeveloper |
| **Testing Frameworks** | Cucumber, Junit, Mockito, JMockit, Easy Mock, TestNG, Selenium, WebDriver,TDD |
| **ORM Frameworks** | Hibernate, IBatis, Spring JPA/JDBC |
| **UI Technologies** | AngularJS, Angular 2, Node.JS, React JS, jQuery, Bootstrap, HTML5, CSS, XML |
| **Logging Frameworks** | Log4j, SLF4J, Log Back |
| **Source Control** | CVS, SVN, GITHUB, PVCS, Clear Quest |

**PROFESSIONAL EXPERIENCE**

**CLIENT: Depository Trust and Clearing Corporation (DTCC), Dallas, Texas May 2017 – Present**

**ROLE: Sr. Java Developer**

**Depository Trust and Clearing Corporation (DTCC)** is an American post-trade financial services company providing clearing and settlement services to the financial market. DTCC aims to simplify the existing Global Trade Repository (GTR) in order to enhance the customer experience, reduce the complexity of support, reduce the costs to maintain the existing application and to reduce costs when expending into new jurisdictions or new services.

**Responsibilities:**

* Involved in various phases of Software Development Life Cycle (**SDLC**) using **Agile** Methodology and followed **Scrum** sessions.
* Involved in designing the new architecture for existing application to latest technologies
* Design and Implemented **Spring framework, Spring-AOP, Spring-ORM, Spring-JDBC modules**
* Developed the web interface using **HTML5, CSS3, JavaScript, jQuery, Angular JS** and **Bootstrap**
* Developed **Micro-Services** and created API’s using **Java Spring Boot** framework using Maven as a build tool and Oracle as an enterprise level database
* Developed **Micro-services** using **RESTful** services to provide all the CRUD capabilities
* Implemented Web services using apache API and tested them using SOAP UI. Integrated the **SOAP** Web services to **RESTful** Web Services
* Implementation of **jQuery** and **Angular.JS** to build UI and its integration with **Spring** framework
* Used **Angular.JS** to bind data into specific views and synchronize data with server
* System was built using Spring Model-View-Controller (**MVC**) architecture. Used **Webservices** to communicate using **Restful** **API**
* Design, develop, test and maintain the application built on **J2EE, Spring** and **Hibernate**
* Used **RESTful** Web services and **JSON** objects for communication
* Developed test classes in **JUnit** for unit testing
* Used **Spring AOP** for the transaction management and logging
* Used **GIT** to maintain source and version management and used **Eclipse** as **IDE**
* Worked with **Threads, Multithreading, Synchronization and Collection API**
* Implemented exception handling in Java **Spring boot** for REST API, by making use of Exception Handler and Controller Advice annotations.
* Implemented **React JS** code to handle cross browser compatibility issues in Mozella, IE 7, 8, 9, Safari and FF.
* Worked with maven projects, groovy, Junit test cases, Hibernate for backend SQL processing
* Worked on **AWS** cloud services like **EC2, S3, RDS, ELB** and **EBS** for installing, configuring and auto scaling.
* Deployed micro-services as restful Java Web Services on Amazon Elastic Beanstalk. Used Amazon S3 for configuration files.
* Developed user interface by using the React JS, Flux for SPA development.
* Plan, deploy, monitor, and maintain Amazon AWS cloud infrastructure consisting of multiple **EC2 nodes** and **VMware VM's** as required in the environment
* Worked in managing **VM’s** in Amazon using **AWS** and **EC2**
* Migrated applications from internal data center to **AWS**
* Worked and Performed Tuning and Query Optimization in **AWS Red shift** and **Micro-service**
* Writing **Groovy Scripts** for REST Web services and deployment
* Creating tables in **Oracle** database to store report information
* Experience in working with the **No SQL** Database like **Mongo DB** to manage extremely large data sets
* Implemented **Jenkins** for a central build and deploy activities by configuring Jenkins in micro service apps
* Created and managed a Docker deployment pipeline for custom application images in the cloud using Jenkins
* Have implemented **chef** provisioning for creation of on demand instances and instance infrastructure using the chef-client and bootstrapping using plugins against **AWS EC2**
* Implemented Logging framework using**Log4j2** to log and track the application
* Involved in code quality checks, Code optimization and improved application performance
* Designed and developed the application using **Test Driven Development Methodology(TDD)**
* Developed Unit test cases and test suites using **Junit framework, Mockito, Power Mock**
* Developed **Behavioral Driven Development** test features and test suites using **Cucumber/Gherkins**
* Designed and developed the application modules by following Agile mythologies
* Responsible for handling day-to-day technical issues, analyzed and determined root cause, facilitated resolution
* Implemented auto deployment scripts, instance creation and destroy scripts and CICD pipeline in AWS
* Used Jenkin jobs for building and deploying(CI/CD) the application into app server.
* Involved in DevOps to configure Maven, GitHub, Docker and AWS to build and deploy pipeline in Jenkins

**Environment:** Java 8, J2ee, JSP, Servlets, HTML5, AJAX, jQuery, Angular JS, Grunt, NPM, Node.js, JSON, Bootstrap, Spring, Hibernate, Web Services, Apache Tomcat, SOAP, REST, SQL, PL/SQL, XML, XSD, JAXB, JavaScript, Python¸ Web Sphere 8.x, WAS, Mongo, Maven, GIT, DevOps, SQL Developer, PostgreSQL, Oracle, UML, JUnit, Selenium, Protractor, Cucumber, TDD, Mockito, JMeter, JIRA, Jenkins, Log4j, Sonar, Crucible, Cloud, AWS (Amazon Web Services), EC2, S3, IAM, Docker, Cloud Watch

**CLIENT: JP Morgan Chase, Dallas/Texas May 2015- Apr2017**

**ROLE: Sr. Java Developer**

**JPMorgan Chase** is a global security, investment banking and retail banking firm. Deal manager is an enterprise level application made for corporate clients unlike most of the retail banking products. Deal manager is an interface for all the banking products chase offers for its enterprise clients. This application is used to sell products and also to keep every record of it. Deal Manager is responsible for establishing a platform for enrollment of Clients, selling products, billing and supporting. It will also serve as a repository of previous sales, clients, products and requests.   
**Responsibilities:**

* Involved in business requirements gathering and analysis
* Used RAD for coding, debugging and testing the application modules
* Used different user interface technologies such as **HTML5, CSS3, JavaScript, jQuery, Angular JS and JSON** for developing responsive single page applications
* Developed custom **Angular JS** components such as Filters, Directives, Services
* Involved in designing, developing and testing the web application by using the **HTML5, CSS3, Bootstrap** and **React JS.**
* Worked on **MongoDB** concepts such as locking, transactions, indexes, sharding, replication and schema design.
* Involved and designed **optimized and performance oriented** RIA and single page Angular JS application
* Implemented unit test cases for testing Angular JS components
* Customized and Configured templates, views and routing information in Angular application
* Strictly implemented **best design principle strategies** while designing Angular application
* Implemented AJAX calls to retrieve JSON data from the data base on the fly using Restful service
* Developed Server-side business logic using Node.js and its components
* Used NPM, Events, Callbacks, interacted with Restful service using Node.JS and processed response data
* Developed and tested **Rest API and Spring services**
* Implemented the application modules using **Spring Boot, Spring Core(IOC), Spring Security, Spring AOP, Spring JDBC and Spring Batch**
* Designed and Developed **Micro Services Architecture** enterprise application
* Implemented Spring Services and business operations using Dependency Injection
* Used Spring JDBC to perform data base activities and transactions management
* Used different design patterns like **MVC, Singleton, Data Access Object, Value Object etc.**
* Used Java Messaging Services for developing messaging services to interact with different application modules
* Implemented Web Services using **SOAP, WSDL and JAX-RS API**
* Involved in configuring hibernate to access database and retrieve data from the database
* Designed and created **No SQL data base tables**, constraints as per the application requirements
* Worked on **React JS** Virtual Dom and React views, rendering using components which contains additional components called custom HTML tags.
* Developed stored procedures and triggers with **PL/SQL**
* Implemented **SQL injection security checks, html sanitization** and other security mechanisms
* Followed Agile development methodology while developing the application
* Extensively used and implemented **Interfaces, OOP concepts, Collections, Exceptional Handling, JVM, Garbage collections, Multi-threading, Compositions and aggregations**
* Implemented Multi-Threading functionality for concurrency control and application performance optimization
* Implemented and tested **Angular JS components** using Protractor
* Developed BDD test cases using **Cucumber/Gherkin** language
* Involved in performance tuning, query optimization, maintaining coding standards and resolving JVM issues
* Developed **Maven and ANT** Scripts to do compilation, packaging and deployment in Web Sphere app server
* Involved in peer to peer code reviews and cross checked whether coding standards are being followed
* Used JIRA tool for creating change tickets and handling production bugs and development tasks
* Prepared test cases, test plans, test scenarios and developed test automation
* Used Sonar for validating **coding stands violations**, monitoring code and projects, checksum in the application
* Implemented integration test cases using **Cucumber/gherkin framework**
* Involved in **production support, resolving the production issues and maintaining the application server**

**Environment:** Java 8, J2ee, JSP, HTML5, AJAX, jQuery, Angular JS, JSON, Node.JS, NPM, Gulp, Bootstrap, Spring, Hibernate, Web Services, SOAP, RESTful, SQL, PL/SQL, XML, XSD, JAXB, JavaScript, Tomcat, Web Sphere 8.x, RAD, MongoDB, No SQL, Linux, Maven, SVN, SQL Developer, UML, JUnit, Protractor, Cucumber, Gherkin, JIRA, Jenkins, Log4j, Sonar, AWS, Cloud, EC2, Docker

**CLIENT: AIG, Inc-Greensboro/North Carolina Jan 2014-May 2015**

**ROLE: JAVA Developer**

**American International Group, Inc (AIG)** is an American multinational insurance corporation. The old Customer Service Website is being replaced with a modern, attractive, SOA-oriented site. It has various parts of the functionality to communicate with the backend system through web services.

**Responsibilities:**

* Involved in requirements gathering and analysis from the existing system. Captured requirements using Use Cases and Sequence Diagrams
* Developed the application using **Struts**, **Servlets** and **JSP** for the presentation layer along with **JavaScript** for the client-side validations
* Developed and used **JSP** custom tags in the web tier to dynamically generate web pages
* Worked with **Struts** (**MVC** Paradigm) components such as Action Mapping, Action class, Dispatch action class, Action Form bean
* Worked on core java, using file operations to read system file (downloads) and to present on JSP
* Designed **Restful, XML, XSLT and PHP** web service for handling **AJAX** requests
* Used **spring** to manage beans to use windows session state framework to persist session to the database.
* Used **spring IOC** and **MVC** for enhanced modules
* Used **Angular.JS, Node.js and Bootstrap** in effective web design
* Used **Maven** for build framework and Jenkins for continuous build system
* Extensively used**OOA, OOD, OOP Concepts, Exceptional Handling and Collections Framework**
* Used **Hibernate** to do the object relational mapping between the tables and java objects
* Implemented Persistence layer with ORM Framework using **IBatis** 3.0, JPA which Synchronize with Oracle 10g database
* Deployed and tested the application with web server **Tomcat**, **Web Sphere**
* Implemented the caching mechanism in Hibernate to load data from**My SQL** database.
* Wrote Test Cases using **JUNIT** as a framework
* Created continuous Integration builds using Maven
* Developed **GUI** using Front end technologies like **JSP, JSTL, AJAX, HTML, CSS** and **Java Script**
* Developed a code for Web services using **XML**, **SOAP**, **PHP** and used **SOAP UI** tool for testing the services proficient in testing Web Pages functionalities and raising defects
* Participated in Code Reviews for better quality assurance and Debugged the application Module.
* Deployed the application on **Web Logic** server
* Developed the Web services using **SOA**
* Developed custom **Angular.JS** directives to build custom reusable components to use across the application pages
* Developed back end interfaces using **PL/SQL** Packages, Stored Procedures, Collections
* Designed and Developed a Data Interface switch written in C/C++to convert dBase database calls into **Oracle ODBC** calls. This switch is used to connect to Oracle database from a dBase application
* Used Jenkins and GIT to automate the process
* Hands on experience with UNIX Shell Scripting
* Implemented both **JAX-WS SOAP** and **JAX-RS RESTful** services using Annotation based approach
* Involved in writing services using EJB3 in **WSDL**
* Used Java Messaging artifacts using **JMS** (IBM MQ Series) for sending out automated notification emails to respective users of the application
* Experience in designing and implementing AWS Solutions using EC2, S3, EBS, Elastic Load balancer (ELB), VPC and Cloud Formation
* Experience in developing scripts using **Restful** API models for the purposes of integrating workflows with **AWS**
* Followed MVC design architecture for the development of web application
* Coordinate with various teams in resolving the tickets raised by business

**Environment:** Java/J2ee, JSP, Servlets, Spring, Hibernate, JPA, SOAP, WSDL, JAX-WS, JAX-RS, JMS, MQ Series, SQL, PL/SQL, JAXB, XML, XSD, HTML5, CSS, JavaScript, jQuery, AJAX, JSON, Eclipse, JBoss, Maven, Nexus, DB2, COBOL, CICS, Autosys, UML, SharePoint, Agile, XP, Jenkins, GitHub, Stash, JIRA, Junit, Log4j, SOAPUI, Unix shell Scripting

**CLIENT: PHILLIPS, Houston/Texas Feb 2012-Jan2014**

**ROLE: JAVA Developer**

**Responsibilities:**

* Coordinated with mainframe developers to understand, preserve and migrate legacy application functionality.
* Worked with technologies like **Core Java, J2EE, Hibernate** and **Oracle**
* Created Framework for Integration Testing (FIT) based test cases for integration testing
* Tested application functions like handling inputs, processing data, and interaction with database
* Wrote customization codes for FIT to adapt to the application requirements
* Implemented the **Struts** frame work with **MVC architecture**
* Created new JSP's for the front end using **HTML, Java Script, jQuery and Ajax**
* Developing JSP pages and configuring the module in the application
* Developed the presentation layer using **JSP, HTML, CSS** and client-side validations using JavaScript
* Involved in designing, creating, reviewing Technical Design Documents
* Developed DAOs (Data Access Object) using **Hibernate** as ORM to interact with **DBMS - Oracle**
* Worked on MQ for messaging
* Applied J2EE design patterns like **Business Delegate, DAO, Singleton** etc.
* Deployed and tested the application using Tomcat web server
* Using java scripts did client-side validation
* Involved in developing DAO's using **JDBC**
* Involved in coding, code reviews, JUnit testing, Prepared and executed Unit Test Cases
* JBOSS for application deployment and **MySQL** for database
* Worked with QA team in preparation and review of test cases
* Identified bugs in the migrated application by running test cases and using Eclipse IDE
* Worked on **JavaScript, JSP and Servlets** as a web application replacement for mainframe front end
* Provided Hibernate configuration file and mapping files, also involved in the integration of Struts with Hibernate libraries
* Wrote Ant scripts and handled deployments on WebLogic server at test, stage levels
* Analyzed, created and proposed remediation measures to fix the bugs in the application
* Used log4j for logging monitoring errors and exceptions all across the application
* Analyzed database table relationships to understand legacy application
* Coordinated with Database Administrators to analyze and optimize the application load on database.
* Identified, analyzed, and re-mediated performance issues in application

**Environment:** Java 1.5, J2ee, JSP, Servlets, Struts, Spring, Hibernate, Web Services, SOAP, WSDL, Apache Axis, SQL, XML, XSD, JAXB, JavaScript, Web Sphere 5.x, RAD, HTML, XML, AJAX, Ant, CVS, SQL Developer, DB2, UML, JUnit, Log4j

**CLIENT: UB Group, Bangalore/India Nov2010-Jan 2012**

**ROLE: JAVA Developer**

**Responsibilities:**

* Performed analysis for the client requirements based on the developed detailed design documents
* Developed Use Cases, Class Diagrams, Sequence Diagrams and Data Models using Microsoft Visio
* Developed **STRUTS** forms and actions for validation of user request data and application functionality
* Utilized Hibernate for Object/Relational Mapping (ORM) purposes for persistence onto the MySQL database
* Developed **JSP’s** with **STRUTS** custom tags and implemented JavaScript validation of data
* Developed programs for accessing the database using **JDBC** thin driver to execute queries, Prepared statements, Stored Procedures and to manipulate the data in the database
* Involved in developing business tier using stateless session bean
* Used JavaScript for the web page validation and **Struts Valuator** for server-side validation
* Designing the database and coding of **SQL**, **PL/SQL**, Triggers and Views using **IBMDB2**
* Developed Message Driven Beans for asynchronous processing of alerts
* Used Clear case for source code control and **JUNIT** for unit testing
* Involved in peer code reviews and performed integration testing of the modules

**CLIENT: Airtel Cellular PVT LTD/India Apr 2008-Oct 2010**

**ROLE: JAVA Developer**

**Responsibilities:**

* Carried out requirement specification, design, analysis, implementation and testing
* Designed **UML** Class Diagrams and Use Case Diagrams to understand the code easily
* Used Servlets to implement Business components
* Designed and Developed required Manager Classes for database operations
* Developed various Servlets for monitoring the application
* Also developed web services components using **SOAP**, **WSDL**, **JAXB**, and **JAX**- **WS** with **java**
* Used **Spring Framework** for Authentication and Authorization and **ORM** components to support the **Hibernate**
* Used **JSON** for validation, documentation data required by a given application
* Followed the **Agile** methodology to implement the application
* Developed **XML, PHP** files, **DTDs**, Schema's and parsing **XML** by using both **SAX** and **DOM** parser
* Wrote deployment descriptors using **XML** and Test java classes for a direct testing of the Session and Entity beans
* Did Packaging and Deployment of builds through **ANT** script
* Wrote stored procedure and used **JAVA APIs** to call these procedures
* Database designing that includes defining tables, views, constraints, triggers, sequences, index, and stored procedures