**Varun Kumar**

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**Professional Summary:**

* Around 8 years of experience in developing web based, internet/intranet, client/server, distributed architecture and component oriented architecture applications using Java/J2EE technologies and also experience in cloud computing and AWS Engineering.
* Experience in developing UML by using Rational Rose to design the Object Model, Use Cases, Activity Diagrams, Sequence Diagrams, Class Diagrams and Component Diagrams.
* Good knowledge of designing, deploying and operating highly available, scalable and fault tolerant systems using Amazon Web Services (AWS).
* Hands on Experience in AWS Cloud in various AWS Services such as Red Shift, Cluster, Route53 Domain configuration and SOLR.
* Experience in designing, developing applications using Struts (1.x/2.0) Frame work, Oauth framework and configured the validation framework for validations and Tiles framework for layout management.
* Hands on experience with an in-depth level of understanding in the strategy and practical implementation of AWS cloud-specific technologies like Elastic Compute Cloud (EC2), Simple Storage Services (S3), Route 53, Dynamo DB, Cloud Formation, Terraform, Elastic IPs, RDS.
* Experience in using Kafka for the installation purpose.
* Managing Amazon Web Services (AWS) infrastructure with automation and configuration management tools such as Chef, Puppet and Ansible.
* Managed local deployments in Kubernetes, creating local cluster and deploying application containers.
* Maintained the user accounts RDB, SES, SQS and SNS services in AWS cloud.
* Extensive Experience with Core Java and J2EE technologies using Servlets, JSP EJB, Struts, JSF, Hibernate, Java Beans, JDBC, JNDI, Collections, XML (DTD and Schema), HTML, AJAX and Web Service (SOAP, JAX-RPC, AXIS) on Linux and Windows environment.
* Experienced in using Java 8 features like Functional Interfaces, Lambda Expressions, Java Time API and ForEach () method etc.
* Experience in integrating Apache Kafka with Apache Storm and created storm data pipelines for real time processing.
* Used Kafka in a POC to send data and persist on Cassandra Database
* Experienced in developed Micro services with Spring Boot.
* Proficient with different Software development methodologies including Waterfall, Agile (SCRUM) and Rational Unified Process (RUP).
* Experienced in cloud automation using AWS Cloud Formation Templates and Kubernetes.
* Extensive experience in J2EE platform including, developing both front end & back end applications using Java, Servlets, JSP, EJB, AJAX, Spring, Struts, Hibernate, JAXB, JMS, JDBC, Web Services.
* Used Specifications, Spring Data Repositories and JPQL queries for retrieving data from PostgreSQL database.
* Developed Flink Streaming application to consume real-time data from the Kafka, perform transformations and sink the data back to Kafka using Java/Scala Flink APIs.
* Application development experience using multithreading, Serialization, Externalization, Collection, Generics.
* Proficiency in developing MVC patterns based web applications using Struts by creating forms using Struts tiles and validates using Struts validation framework.
* Designed and developed JSPs as a presentation layer with using HTML5, JavaScript, CSS3, JQuery and AJAX.
* Used JavaScript to implement client side validations.
* Strong working knowledge of front end technologies including JavaScript framework and AngularJS, Node.js.
* Proficiency in using Hibernates features such as HQL (Hibernate Query Language) and Criteria queries for effectively use of the relational Databases and also prefer Second level cache (EH-Cache) to optimize performance.
* Proficiency in developing MVC based applications by using various integration of open source frameworks like Struts, Spring and Object Relational Mapping Technologies like Hibernate.
* Experienced with XML related technologies such as XSL, XSLT, DOM, and SAX.
* Experience in SOAP and REST for developing Web Services.
* Expertise in Source code repositories like Git hub, SVN and SQL tools like TOAD, SQL Developer.
* Expertise in writing ANT, GRADLE and Maven scripts.
* Hands on experience in design, implementation and maintenance of system architectures using application servers like WebLogic, WebSphere, Tomcat and JBOSS.
* Experience with Oracle, SQL Server, MySQL, Microsoft Access in writing PL/SQL, stored procedures, functions and triggers.
* Extensively used Maven and ANT tool in building common components, automation scripts, and code instrumentation scripts.

**Technical Expertise:**

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| Java/J2EE Technologies | Java1.7, Java 1.8, Spring, Hibernate, JSON, JSP, Servlets, JNDI, JDBC, JSTL, JMS, JPA, EJB, Flink, Web Services, Kafka, SOAP, REST, WSDL, JAX-RS, JSX-WS, Java Beans. |
| Frameworks | MVC, Spring 4.0, Hibernate, Struts, JMS, EJB, Oauth (1.0 &2.0). |
| XML Technologies | XML, XSD, DTD, XSLT, DOM, SAX, JAXB, JAXP, JSON |
| Scripting Languages & other | Java Script, Advanced Java Script, Angular JS, Unix Shell Scripting, Perl |
| Web Services | WSDL, SOAP, JAX-WS, RESTful-JAX-RS. |
| DBMS/RDBMS | Oracle 11g,12C MSSQL Server, MySql - SQL, PL SQL, NoSQL |
| Source Repositories | CVS, SVN ,GITHub |
| Build and Deployment | Jenkins, ANT, Maven, Gradle |
| Web & App Servers | Apache Tomcat, WebLogic, WebSphere |
| ORM Tools | Hibernate, iBatis |
| Operating Systems | Unix, Windows |

**Professional Experience:**

**Client: Vantiv, Cincinnati, OH March '2017 - Till Date**

**Title: Java Developer**

**Responsibilities:**

* Worked on Java/J2EE framework APIs like Spring, iBatis and Hibernate.
* Design, development and testing of web application and integration projects using technologies such as Core Java, J2EE, Multi-threading, Struts, JSP, JDBC, Spring Framework, Hibernate, Java Beans, Web Services (REST/SOAP).
* Participated in all development activities with in Agile development methodology and Test Driven Development (TDD) environment.
* Experienced in using Java 1.8 features like Functional Interfaces, Lambda Expressions, Java Time API and ForEach () method etc.
* Used MVC Design pattern to develop the application.
* Experienced in developed Micro services with Spring Boot.
* Setup and build AWS infrastructure various resources, VPC, EC2, S3, Kafka, Spark, IAM, EBS, Security Group, Auto Scaling, Dynamo DB and RDS using Cloud Formation templates.
* Deployed applications on AWS by using Elastic Beanstalk.
* Developed RESTful Web Services for handling and persisting of requests and for returning response to presentation tier.
* Experienced in implementing unified data platforms using Kafka producers/ consumers, implement pre-processing using storm topologies.
* Implemented the Oauth (1.0 &2.0) Authentication for getting the access tokens from the baidu, kingsoft, kanbox & tencent.
* Used Kafka in a POC to send data and persist on Cassandra Database
* Used Jenkins, Gradle for building the application.
* Used RESTful web services to retrieve and update the data which is populated in view using Angular JS directives/Services.
* Involved in Query Optimizations and performance tuning of frequently used SQL Queries.
* Used Specifications, Spring Data Repositories and JPQL queries for retrieving data from PostgreSQL database.
* Data sources from Injection microservices produce and consume data from apache Kafka to enhance data from enhancer microservices.
* Used Perl in generating test vectors for the software code developed.
* Experienced in writing JPQL queries.
* Performed AJAX call for asynchronous data retrieval from back-end.
* Used Log4J to log useful information in the application code and JUnit and Mockito frameworks for unit testing.
* Used Spring Boot to create stand-alone, production-grade Spring based Applications that you can "just run".
* Used GitHub version source control tool as source code management system.
* Extensively Used IntelliJ as development IDE.
* Developed Java applications to create, update and delete data stored in relational databases using JDBC programming interface.
* Used JMS (Java Message Service) to send, receive and read messages in the application. Used different messaging models like Publish-Subscribe, Point-to-Point messaging along with EJBs.
* Worked on MQ-Series with Java, JMS on the WebSphere server side.
* Worked on Cassandra clusters in the Amazon Web Services(AWS) Cloud and migrated data between environments.
* After generating JASON-LD data the data again posted into apache Kafka.
* Designed various tables required for the project in Oracle 11g database and used the stored procedures in the application and Wrote Stored Procedures, Triggers and Functions on SQL Server as well as PL/SQL on Oracle to support both databases for the application.
* Involved in the development of Standard XML reports and XSLT style sheets and Developed XML parser to convert java objects to XML and XML to java objects.
* Developed client/server and N-tier web applications using Java, J2EE, Apache Struts framework and Spring (MVC) framework.
* Used Swagger for documenting the API.
* Involved in writing the JUnit test cases and integration testing of the system.
* Used SVN for source code maintenance and for version control.
* Written Maven Scripts to build generate WAR file and deploy the application.
* Implemented by using AGILE Methodology focusing on SCRUM.
* Maintained and debugged existing code Jira, Stash/GIT, and Used SVN for version control.
* Everyday tasks include Agile, Rally, Jira, GitHub, Stash.
* J2EE application development on Windows and UNIX platforms using MVC pattern.

**Environment:** Java 1.7, Java 1.8, J2EE, Spring, Hibernate, JSP, Agile, Kafka, AJAX, Angular JS, Spring Boot, Spring MVC, Spring AOP, DAO, IntelliJ, Oauth framework Tomcat, Perl, PostgreSQL, JPA Specifications, Spring Data, JPQL, Junit, REST Web Services, Git, AWS, Jenkins, Gradle, JIRA, Microservices.

**Client: Deutsche Bank - Jersey City, NJ March '2016 - Feb ‘2017**

**Title: Java / J2ee Developer**

**Responsibilities:**

* Followed the standard for Software Development Life Cycle Processes (Selection of a Life Cycle Model, Project Initiation, Project Monitoring and Control, Requirements, Design, Implementation, Installation, Operation and Support.
* Participated in periodic technical reviews of various modules and developed schema to improve them.
* Develop backend server code using REST architecture and frameworks like Spring, Hibernate and JPA.
* Develop Restful web services using JAX-RS, Apache CXF and Spring framework and persistence using Hibernate and JPA ORM frameworks.
* Involved in multi-tiered J2EE design utilizing MVC architecture Spring, Struts, Hibernate and WebSphere Application Server connecting to an Oracle database.
* Implemented Spring ORM wiring with Hibernate provided access to Oracle RDBMS.
* Used, participated in Agile Methodologies for design and development of the applications.
* Involved in Scrum meetings for effective development.
* Involved in complete Software Development Life Cycle (SDLC) with Object Oriented Approach of client's business process and continuous client feedback.
* Setup Drools Rule Engine on JBOSS server and manage configuration.
* Involved in writing java API for Amazon Lambda to manage some of the AWS services.
* Used Micro-services to ensure the scalability of application on cloud infrastructure.
* Developed application modules using Spring MVC, Spring Annotations, Spring Beans, Dependency Injection, with database interface using Hibernate.
* Developed Flink Streaming application to consume real-time data from the Kafka, perform transformations and sink the data back to Kafka using Java/Scala Flink APIs.
* Used Spring MVC front controller pattern to handle requests starting with dispatcher servlet to handle incoming requests.
* Designed and implemented a stream filtering system on top of Apache Kafka to reduce stream size.
* Performed code build using MAVEN.
* Using GIT/Stash for version control system.
* Creating Unit Tests using Mockito and JUnit and leveraging SOAP UI for testing the web services. Using Maven 2.0 is as a build tool for building the application and GIT/Stash for version control system.
* Used Apache Kafka (Message Queues) for reliable and asynchronous exchange of important information between multiple business applications.
* Implemented Spring Bean Factory to create proxied object using AOP Framework.
* Experience with SAML single sign on configuration.
* Work with the Atlassian tools such Git/Stash, JIRA and Crucible for store and share the application code, issue tracking and code reviews respectively.
* Involved in the design and development of Batch Jobs using Spring Batch Architecture
* Used Hibernate as an ORM mapping tool and worked with Hibernate Query Language (HQL).
* Worked on testing and deployment automation with Docker, Jenkins, AWS and Ansible.
* Worked on backend logic using Servlets, EJB , Hibernate , Unix/Shell Scripting and JDBC
* Defined the Hibernate Configuration File, Hibernate Mapping using annotation and created classes to persist the data.
* Worked in DevOps group running Jenkins in a Docker container with EC2 slaves in Amazon AWS cloud configuration.
* Developed Message Driven Beans (MDB) as Queue listeners for JMS queues.
* Development of Application based on J2EE using JSP, Servlets, Spring Framework, and Rest Web Services with JMS.
* Developed RESTful web services using Java, Spring Boot, NoSQL databases like MongoDB.
* Used AJAX to call the REST API methods and connect to the backend.
* Implemented SOAP messages for information exchange for Web services.
* Worked on REST-SOAP transformation for services calls.
* Produced and consumed the web services data in the form of JSON, XML.
* Created different XML documents using XML, XSD and XSLT. Used E4X and Light DOM parser, and SAX parser for transforming the XML data.
* Developed classes using core java (multithreading, concurrency, collections, memory management) and some spring IOC.
* Designed & developed the UI application using React JS, Rest, Spring MVC, Spring Data JPA, Spring Batch, Spring Integration & Hibernate.
* Configured bamboo automating the builds into Gradle archive repository.
* Developed various screens for the front end using React JS and used various predefined components from NPM (Node Package Manager) and Redux library.
* Used React JS for templating for faster compilation and developing reusable components.
* Created dynamic forms for displaying the data in the React DOM according the information from backend.
* Used J2EE SOA based JAX-WS web services to develop reusable web service components.
* Configured Hibernate-ORM to map java objects such as clients and claims with database tables.
* Developed web interface for Users Modules using JSP, HTML, XML, CSS, Java Script, AJAX, and Action Servlets with Struts Framework, spring frame work.
* Used GIT for source control and Jenkins for continuous integrations
* Worked on Jira for User requirements and used Jira as bug tracking tools.
* Involved in unit testing, integration testing, SOAP UI testing, smoke testing, system testing and user acceptance testing of the application.
* Developed functions and store procedures using SQL for the Application.
* Wrote database queries using SQL and PL/SQL for accessing, manipulating and updating Oracle Database.

**Environment**: Java 1.8, J2EE, HTML5, CSS3, Bootstrap, jQuery, AngularJS, NodeJS, Spring IOC, Spring AOP, Spring MVC, Spring Boot, Spring Security, Spring Data, Noqsl, RESTful Services, Jersey, Hibernate, Gradle, Unix/Shell Scripting, Micro Services, Ruby, Flink, AWS (Amazon Web Services), Oracle, Docker, Kubernetes, MongoDB, Mockito, Log4j, JIRA, GIT, Bamboo, Jenkins and Web Sphere Application Server.

**Client: Daimler Financial Services, Detroit, MI Oct '2014 - Feb ‘2016**

**Title: Full Stack Java Developer**

**Responsibilities:**

* Went through the total project development life cycle and have a clear understanding of various tiers as the project was a multi-tier application.
* Coordinated with various groups of the client to gather business and system requirements.
* Implemented the application using Spring MVC Framework, Spring Boot and handled the security using Spring Security.
* Experienced in Analysis, Design, Development, Integration, Deployment and Maintenance of Web services, Client Server and Web based applications using J2EE/Java, JSP, Unix/Shell Scripting, JavaScript, Servlets and XSLT.
* Created RESTful web services interface to Java-based runtime engine and accounts.
* Used JAVA 1.8 features like Parallel Streams, Functional Interfaces, Filters, Predicates and Lambda Expressions.
* ANT and Maven being used as build tools. Developed various ANT Scripts for bamboo build tool.
* Implemented RESTful services with JAX-RS using Spring Boot and Micro Services Architecture.
* Consumed SOAP based Web Services.
* Developed the persistence layer using Hibernate Framework, created the POJO objects and mapped using Hibernate annotations.
* Performed J2EE application deployment using Bamboo application server.
* Experienced working with database setup and maintenance on AWS EC2.
* Configured and managed public/private cloud infrastructures using Amazon Web Services (AWS) like VPC, EC2, S3, Cloud Front, ELB and Elastic Beanstalk.
* Create and configured the continuous delivery pipelines for deploying Micro Services and lambda functions using Jenkins CI server.
* Designed and developed functionality to get JSON document from Mongo DB document store and send it to client using RESTful web service.
* Designed REST APIs that allow sophisticated, effective and low cost application integration.
* Used Hibernate in the persistence layer to persist data into both databases Oracle and Mongo DB.
* Used the Java Collections API extensively in the application as security protection for XML, SOAP, REST and JSON to make a secure Web Deployment.
* Used Java Persistence API (JPA) for managing relational data mapping.
* Created UNIX shell scripting for periodic generation of reports.
* Used Eclipse Luna as IDE to develop the application and followed the standard features for debugging and running.
* Used JIRA tool for Issue/bug tracking, monitoring of work assignment in the system.
* Log4J was used to monitor the error logs and used GIT as version control tool.
* Excellent in deploying the applications in AWS as EC2 instances and create snapshots for the data that must be stored in AWS S3.
* Followed the Maven build life cycle to build the application and deployed into WebSphere application server.
* Created Servlets and JUnit test cases and tested the application.
* Agile/SCRUM was used as the project management methodology and JIRA & Confluence were the tools used to keep things in check.

**Environment**: JAVA/J2EE, Servlets, JSP, Web sphere Application Server 8.x, XML, HTML5, CSS3, XSD, XSLT, XPATH, JAXP, JAXB, WSDL, SOAP , Unix/Shell Scripting, JavaScript, Angular JS, Spring frame work-DI, JPA, WebLogic, AOP, MVC, Hibernate, Agile, REST, JAX-RS, CXF, IBM MQ Series, RAD 8.0.

**Client: National Payments Corporation of Mumbai, India Jan '2012 - Sep ‘2014**

**Title: Java Developer**

**Responsibilities:**

* Involved in Design and Code Construction with OOPs Implementation.
* Involved in Maintenance / Enhancements of the application which includes developing the new reports.
* Developed JSP, Tiles, Validator, Action classes and EJBs for various user transactions.
* Designed Java Servlets and Objects using J2EE standards.
* Implemented the project by using MVC framework.
* Used Struts Validator framework to validate user input.
* Used Struts MVC framework along with JST for developing J2EE based web application.
* Implemented Hibernate to map all the tables from different data sources to make database updating.
* Designed Implementation of GUI using HTML, JSP and Java Script for front-end validations.
* Implemented Singleton Design Pattern by sharing the single service locator object across different Business Delegates.
* Developed the XML Schema for the data maintenance and structures.
* Implemented EJB session beans, messaging technologies like Message Driven Bean, JMS.
* Involved in designing Database Connections using JDBC.
* Involved in design and Development of UI using HTML, JavaScript and CSS.
* Used JSP for presentation layer, entity beans as the model to represent the persistent data and interacted with Oracle database as per MVC Architecture.
* Used JDBC calls in the Enterprise to access Oracle Database.
* Involved in Integration testing and defect fixes.
* Developed Unit Test Scenarios and tested Test Scenarios in Web methods using N-Unit.

**Environment:** Java, J2EE, Junit, JDK 1.5, Spring core, Spring MVC, Hibernate, SOAP/Rest Web services, Ajax, XML, jQuery, HTML, CSS, TC Server, SVN, Maven, Jenkins, Splunk, SFX, MAX, SEED. Oracle.

**Client: Easylink, Chennai, India Aug'2009 - Dec '2011**

**Title: Java Developer**

**Responsibilities:**

* Involved in Design and Code Construction with OOPs Implementation.
* Involved in Maintenance / Enhancements of the application which includes developing the new reports.
* Developed JSP, Tiles, Validator, Action classes and EJBs for various user transactions.
* Designed Java Servlets and Objects using J2EE standards.
* Implemented the project by using MVC framework.
* Used Struts Validator framework to validate user input.
* Used Struts MVC framework along with JST for developing J2EE based web application.
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* Involved in designing Database Connections using JDBC.
* Involved in design and Development of UI using HTML, JavaScript and CSS.
* Used JSP for presentation layer, entity beans as the model to represent the persistent data and interacted with Oracle database as per MVC Architecture.
* Used JDBC calls in the Enterprise to access Oracle Database.
* Involved in Integration testing and defect fixes.
* Developed Unit Test Scenarios and tested Test Scenarios in Web methods using N-Unit.

**Environment:** Java, J2EE, Junit, JDK 1.5, Spring core, Spring MVC, Hibernate, SOAP/Rest Web services, Ajax, XML, jQuery, HTML, CSS, TC Server, SVN, Maven, Jenkins, Splunk, SFX, MAX, SEED, Oracle.