**Praveen Kumar**

Java Full Stack Developer | [arjun@forgetechno.com](mailto:arjun@forgetechno.com) | +1 609-973-8471

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| **Professional Outline** |  |  |
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* Sr. Java Developer with 10 years of professional experience in analysis, design, development, and testing of web and distributed multi-tier applications using **Java** and **J2EE** technologies.
* Well versed with complete **Software Life Cycle Development (SDLC)** process which includes Analysis, Designing, Developing, Testing, Implementing and Documenting the entire life cycle using various methodologies like **Waterfall, Agile, Scrum, Test Driven development.**
* Expertise in using **HTML, DHTML**, **CSS**, **Java** **Script**, **XML** and **AJAX** in designing web pages.
* Test-driven development-**TDD** with **JUNIT**. Proficient in integration testing of web applications and remote systems.
* Experienced with hands-on development in various Spring components like **Spring MVC, AOP, Spring IOC, Spring JDBC, Spring-Data, Spring JPA, Spring Securities and Spring Batch, Spring Boot, Spring Microservices, and swagger API**. Experienced in implementation of Web services based on **Service Oriented Architecture (SOA)** using **SOAP, JAX-WS, and WSDL** using **Apache AXIS, CXF** and **Spring CXF** and Cloud technologies like **Amazon Web Services (AWS).**
* Experience in design and developing Application leveraging **MongoDB**.
* Experience in applying best-practice **design patterns** and strategies to enterprise applications to reduce tight coupling, maximize performance, and reduce maintenance/extensibility risks.
* Experienced in J2EE application development using **Enterprise Java Beans (EJB), JDBC, and Servlets**.
* Experience in developing applications using **Model-View-Controller** architecture using Spring MVC.
* Experience in working with various Web and Application servers including **Apache** **Tomcat**, **IBM** **Web** **Sphere**, **JBoss** and Web logic.
* **GCP Cloud** provides scalable infrastructure and platform services that can handle large-scale workloads and traffic spikes.
* **DevSecOps emphasizes compliance with security standards and regulations,** as well as conducting regular security audits to ensure adherence to best practices.
* Extensive experience as a User Interface/Front End Developer in developing web applications using **HTML, XML, CSS, Java Script, Typescript, jQuery, AJAX, Angular 8 and React JS.**
* Experienced in other front-end technologies such as **SASS, LESS, Typescript, BOOTSTRAP, Angular 1.5, Ajax, JSON, Node JS** etc.
* Knowledge on different databases like **Oracle**, **My** **SQL**, MS-Access, **and SQL** Servers packages procedures, Functions, triggers using SQL Plus.
* **Apigee is an API management platform** that allows organizations to design, secure, analyze, and scale APIs
* Knowledge in **migration of systems**, upgraded many projects to higher java versions as well as migrating applications from application servers.
* Ability to **diagnose, troubleshoot**, and **resolve** technical problems.
* Follow product **architecture guidelines** to deliver best product performance and maintainability.
* **Code review** and suggested improvements for better performance and **standard** **coding practice**.
* Involved in the development of software architecture documentation like **Technical Design Document.**

**Technical Efficiency**



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| **Operating System** | Windows XP/7/8, UNIX/LINUX |
| **Languages** | Java, C, C++, Scala |
| **Programming** | Core Java, Multithreading, Collections, Exception Handling, Connection Pooling |
| **RDBMS** | Oracle, SQL Server, MySQL, MONGODB, DB2, Cassandra |
| **Web Technologies** | JSP, Servlets, JavaScript, XML, AJAX, HTML, CSS, JQUERY, JSON**,** Angular 8, Bootstrap, Ext JS, Node JS, ReactJS |

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| **Distributed Technologies** | EJB (2.0 & 3.0), JDBC |
| **XML Technologies & API’s** | XML, XSLT, XPath, REST API, GraphQL |
| **Web Services** | Service Oriented Architecture (SOA), SOAP, JAX-WS, WSDL, Apache AXIS, CXF and Spring CXF |
| **Protocols** | HTTP, TCP/IP, SOAP, SMTP, LAN, WAN, OAuth, SAML |
| **Application Framework** | Spring MVC, AOP, Spring IOC, Spring JDBC, Spring-Data, Spring JPA, Spring Securities and Spring Batch, Spring Boot, Spring Microservices, and Swagger API, Struts, JMS |
| **Object Relational Mapping Tool** | Hibernate, Spring ORM |
| **Unit Testing Frameworks, API Testing & Methodologies** | Junit, Cucumber, TDD, BDD, EKG -SPARQL, RDF, Postman |
| **Cloud Services** | AWS Lambda, AWS Dynamo, SNS/SQS, S3 |

**EDUCATION**



Vignan’s Institute of Information Technology – Bachelor’s in ECE **JUN 2009 – MAY 2013**

**PROFESSIONAL EXPERIENCE**



**U.S. Department of Education, New York - Sr. Full Stack Developer AUG 2021 – TILL NOW**

**Responsibilities**:

* Document and deliver sizing, external design, detail design, and other documents as required by the project.
* Designed and developed **Quarkus-**based applications-based **Spring Framework, Spring MVC, Spring Templates, and hibernate**.
* Involved in implementation of enterprise integration with Web Services and Legacy Systems using **SOAP and REST services.**
* Used J2EE design patterns like **DAO and MVC** to enhance the existing **Java/J2EE** based code base. Also developed custom **Quarkus** extensions to integrate with specific business requirements.
* Involved in the development of project back-end logic layer by using most of the core java features such as **Collection Framework, Multithreading** environment with **Concurrency** and **Exception** **Handling** programming.
* Installed **MongoDB**, created setup replica sets, Sharding and clusters.
* Built **Spring Boot** based Java **Micro services** to support enterprise web applications.
* Involved in batch processing using **Spring Batch** framework to validate feed files and load data into corresponding tables.
* Having experience on Migrating databases from Oracle to **MongoDB** with .CSV using Mongo dump and Studio 3T tools.
* GCP Cloud provides a highly available and reliable infrastructure with multi-region redundancy and automatic failover.
* DevSecOps focuses on continuously monitoring and addressing security issues throughout the **software development lifecycle**, rather than treating security as an afterthought.
* Able to integrate **GraphQL** with front-end systems and to design and implement GraphQL APIs that

meet the requirements of the front-end application.

* Implemented API gateways and service meshes for communication between microservices. Utilized containerization and orchestration technologies like Docker, Kubernetes, and AWS ECS for deploying and managing microservices.
* **Test Driven Development**, writing JUNIT test cases for the developed methods. Unit, Integration and System testing. Used Scala queries on different formats like Text file, CSV file.
* Responsible for designing and developing custom web apps for business users using several modules of **Spring Boot**.
* Apigee provides a web-based **API design** studio that allows developers to **design APIs using a visual interface. Expertized in implementing Spark using Scala and Spark SQL for faster testing data**
* Design, develop, test, and implement business applications using **Spring, Hibernate,** Web methods

and **Web Sphere Application Server**.

* Used **Spring Boot** which is radically faster in building cloud **Micro services** and developing Spring based applications with very less configuration. Experience in using quarkus developer tools, such as live coding, hot-reloading, and debugging.
* Used **Angular 8** for implementing dynamic Web Pages where the content was fetched via **API calls** and updated the **DOM** (**JSON** Parsing).
* Configuring data inputs, such as log files, metrics, or other data sources, to be ingested into **Splunk** for analysis. Creating searches, reports, and dashboards to visualize and analyze the ingested data. Managing **Splunk** configurations and settings, such as indexers, search heads, and users.
* Composed and executed **MongoDB** scripts to insert and update **NoSQL** databases, automating data changes and reporting. Implemented Spark using Scala and Spark SQL for faster testing of data
* **GCP Cloud provides a range of security features**, including data encryption, identity and access management, and network security.
* Converted and automated builds using **Maven**, scheduled automated nightly builds using **Jenkins**.
* Migrated corporate **Linux servers** from physical servers to **Amazon AWS virtual servers**.
* Involved in Daily Stand-Up Meetings, Sprint Planning and Backlog Grooming for **Agile Scrum Process**.
* Used **Hibernate** by creating its mapping file and coding for **data access methods.**
* Wrote various types of Business rules in the. drl **(drools file)** using Drools rule engine for decision making, implemented task dashboard of different JBPM and business rules using **Drools.**
* Integrating **Splunk** with other tools and technologies, such as SIEM systems, ITSM platforms, or DevOps pipelines.
* Implementing data retention policies and archiving strategies to manage the storage and cost of **Splunk data. Used Spark and Spark-SQL to read the parquet data and create tables in hive using Scala API**
* Apigee provides real-time analytics and monitoring of API traffic, allowing developers to track API usage, performance, and errors.
* Used Drools to handle complex business rules using Rule sets and Rule Flows.
* Wrote **SQL** commands and Stored Procedures to retrieve data from **Oracle 11g** database.
* Coordinated with the testing team to develop and document **test plans and test cases.**
* Led the installation, configuration, and deployment of product soft wares on new edge nodes that connect and contact Kafka cluster for data acquisition.
* Integrated Flume with **Kafka** and worked on monitoring and troubleshooting with Kafka-Flume-HDFS data pipeline for real time data ingestion in HDFS.

**Environment:** Java, J2EE, JavaScript, JSP, CSS3, Angular 8, Servlets, XML, OAuth, Spring, SAML Spring Batch,

Spring Boot, Microservices, AWS, Web Services, JUnit, Unix, JMS, MongoDB, Jenkins, Splunk, GIT,

WebSphere Application Server, Jtest, Scala, Maven, Flume, Apache Spark, HDFS.

**U.S. Bank, Minnesota, United States - Senior Software Engineer JAN 2019 - JULY 2021**

**Responsibilities**:

* Experienced in developing web applications with Single Page Applications (SPAs) framework using **Node JS, React JS.**
* Used **Quarkus** testing framework to write unit tests, integration tests, and end-to-end tests for my applications, ensuring their quality and reliability.
* Created controllers, factories, services, constants, custom filters in **React JS.**
* Identifying and troubleshooting performance issues and bugs in Quarkus-based applications.
* Used $http for **AJAX calls** and handled them with **React JS** promises.
* GCP Cloud integrates with a range of other Google services, including Google Analytics, Google Ads, and Google Workspace.
* GCP Cloud provides tools like Deployment Manager and Terraform for managing infrastructure as code, allowing for repeatable and consistent deployments.
* Developed a robust web-based application on Spring Boot frame structure using **Java/J2EE**

technology.

* Created Spring Boot application using spring components like **Spring Core, Spring AOP, Spring MVC, Spring Batch, Spring IOC, and Spring Security**. The application was created using maven build

automation tool in **Spring Tool Suite (STS) IDE**.

* Worked on Spark using Scala on cluster for computational analytics, by making use of Spark with Hive.
* Designed and developed the application using **AGILE-SCRUM methodology**.
* Developed the application using **Java 8** and implemented its features like **lambdas Expressions, Time API, Streams, functional interfaces, collectors, default methods, type interfaces**, for each.
* Used **Postman** with JSON to test the request and response of the application.
* Used **Node JS, Express JS** to develop the relevant backend **RESTful APIs**.
* Designing and implementing **Cassandra** data models to meet specific application requirements. Configuring and managing **Cassandra clusters**, including node setup, replication strategies, and fault tolerance. Tuning Cassandra performance and optimizing queries for efficient data retrieval.
* Experience in working with **GraphQL** queries and made use of the Apollo **GraphQL library**.
* Troubleshooting issues with data ingestion, search queries, and system performance. Ensuring the security and compliance of **Splunk** data, including access control and data retention policies
* Utilized various **JavaScript and jQuery libraries, AJAX** for form validation and other interactive features. Developed Spark Applications by using Scala, Java and implemented data processing project to handle data from various RDBMS and Streaming sources.
* Involved in designing and developing JSON**, XML, React JS** Objects with MySQL.
* Used **Ajax, JSON, ReactJS** to send requests to the server to check the functionality of the websites.
* Responsible for implementation of java integration components for **JBPM and DROOLS.**
* Migrating rule from Mind-Box for **Drools** with eclipse as a mediator, solely in charge of providing an efficient design and **integrating Drools** and JBPM to the application framework.
* Using complex **Object-Oriented** concepts in improving the performance of the websites.
* Experience in building isomorphic applications using **React JS** and Redux with **GraphQL** on server side.
* Designed and implemented CI/CD pipelines using **Jenkins** for building, testing, and deploying microservices.
* Managed pipeline dependencies and artifact repositories, Used agile methodology for software development. Utilized Docker and Kubernetes for containerization and orchestration of microservices. Implemented Spark RDD’S in Scala.
* Developed infrastructure as code (IAC) scripts using tools like Terraform or CloudFormation.
* Implemented monitoring and logging solutions for Kubernetes clusters.
* Design/ Implement large scale pub-sub message queues using Apache Kafka, Implemented NiFi to Spark streaming directly without using **Kafka** internally to provide various options to clients in single confidential. Developed Spark programs using Scala and Java API’s performed actions on RDD’s
* DevSecOps promotes collaboration between development, security, and operations teams to ensure that security is a shared responsibility.
* Collaborating with other teams and stakeholders to identify data sources and use cases for **Splunk.**

And Creating alerts, notifications based on specific events or conditions in the ingested data**.**

* Developed real time streaming application integrated with Kafka and Nifi to handle large volume and velocity data streams in a scalable, reliable and fault tolerant manner for management analytics.
* Able to integrate GraphQL with backend systems such as databases, Microservices, and APIs.

**Environments:** Java 1.8, JSP, JSON, Spring Boot, Spring IOC, Spring MVC, Spring AOP, Spring Batch, Spring ORM, Spring-Data, Node.JS, Microservices, Scala, AWS, Splunk, XML, GraphQL, RESTful Web Services, JMS, Agile, Maven, GIT, Cassandra, SQL, Apache Kafka, JIRA.

**AT&T, Middletown, NJ - Full Stack Developer FEB 2017 – DEC 2018**

**Responsibilities:**

* Worked on the spring framework like **Spring IOC and Spring DAO.**
* Developed an application using **MERN STACK (React JS), NodeJS, MongoDB, ExpressJS.**
* Build RESTful Web services using **JAX-RS API.**
* Using **Quarkus** built-in security features to ensure the applications are secure and compliant with the relevant regulations and standards.
* Designed and developed the framework to consume the web services hosted in Amazon EC2 instances.
* Developed **API for using AWS Lambda to** manage the servers and run the code in AWS.
* Wrote test cases using **JUnit testing framework** and configured applications on WebLogic Server.
* Implemented the back-end services using Spring Boot.
* Filled in as a full stack engineer to create web applications utilizing **Spring, Rest based Web services**. Used **HTML5, CSS3, JSP, React JS, and Bootstrap** in front end.
* Implemented Java Multithreading to refresh the cache at a given set of time intervals. Identified and mitigated performance bottlenecks in architecture. Implemented caching mechanisms and optimized data retrieval and storage. Monitored and measured service-level indicators (SLIs) and service-level objectives (SLOs) to ensure scalability and high availability.
* Involved in entire Software Development Life Cycle (SDLC) of the project like Requirement gathering, Conceptual design, Analysis, Detail design, Development, System Testing, and User Acceptance
* Able to develop **GraphQL** clients that consume data from **GraphQL APIs**. To understand the **GraphQL** query language and use it to retrieve data efficiently. Developed build and deployment scripts using **Ant, Maven, and Docker** as build tools in Jenkins to move from one environment to other environments.
* Used **Spring MVC and JDBC** Template for object-to-relational mapping from the database and creating POJOs. Developing Rest Services using Rest Template with **Spring Boot and Gradle.**
* Monitored **Cassandra** system health and performance metrics to ensure availability and scalability. Implementing backup and recovery strategies to protect against data loss and corruption. Ensuring the security and compliance of **Cassandra** data, including access control and data encryption.
* Hands on experience in creating a backup & mirroring **of Kafka Cluster brokers**, broker sizing, topic sizing, performance monitoring, worked on installing new relic Kafka plugin implementation for monitoring of Kafka cluster.
* Worked on Web Services using java API for **XML Services (JAX-WS)** and built, deploying Restful Web APIs Services and micro services.
* Experience in **Quarkus** applications using Docker, enabling seamless deployment across different environments and platforms.
* Reviewed Kafka Cluster configurations and provided best practices to get peak performance, configured alerting rules and set up pager duty alerting for Kafka, Cassandra, Spark.
* Integration with the J2EE Services layer of Unity Platform, using Spring application context.
* Designed a network of web pages, where the user progresses through an application by selecting links, resulting in the next page being transferred to the user and rendered for their use using React JS.

**Environments:** Spring 4.0, Hibernate, Web logic, CSS3, Linux, APACHE CXF, Shell scripting, MongoDB, REST, JSP, JDK 1.8, SERVLET, MYSQL, JDBC, AWS, Graph QL, Docker, MAVEN, Agile, Web 2.0, Apache Kafka, Hadoop clusters, Spark.

**Brio Technologies Pvt, Hyderabad, India - Software Developer JUN 2013 – NOV 2016**

**Responsibilities:**

* Worked on multithreading projects, considered concurrency situation and security aspect, to avoid SQL injection. Using synchronized method and synchronized variable.
* Extensively used **CSS, Java Script, jQuery, Ajax** to enhance functionality and user experience on web pages. Single Page Application development using **Angular 8**.
* Used **JSF UI** component to develop front-end web pages; have used **faces-config.xml** to manage faces servlet and managed beans.
* Provided technical guidance to business analysts, gather the requirements, and convert them into

technical specifications/artifacts. Simplified client-side scripting of HTML using jQuery, a cross-browser JavaScript library.

* Used **java 1.8 lambda expressions** along with streams for performing chain operations such as **filter, map, collect on a collection.**
* Performed data migrations or upgrades to new **MongoDB** versions or cluster topologies. Monitored and managed database backups, restores, and disaster recovery procedures.
* Excellent understanding of what the customer and the business need. Developed high-performance web applications using **Struts and jQuery and XML Http Request.**
* Experienced tools like **Cucumber** for writing acceptance test scenarios using **TDD and ATDD/BDD**.
* Configured **Spring and Mule EJB** to manage Actions as beans and set their dependencies in a context file and integrated middle tier with Struts web layer.  Extensive experience with Drools.
* Designed and developed scalable, fault-tolerant, and highly available microservices architectures. Develop and maintain architectural patterns and best practices for microservices development. Collaborate with cross-functional teams to define service contracts, APIs, and service-level agreements (SLAs)
* Experience in using **NoSQL (MongoDB**) data models document, key-value & wide column, or **GraphQL** model.
* Dealt with **Hibernate open source ORM** framework for persistence management.
* Designed a network of web pages, where the user progresses through an application by selecting links, resulting in the next page being transferred to the user and rendered for their use by using **Angular 8.**
* Developing REST Services using Rest Template with Spring Boot and Gradle.
* Integrated **Quarkus** applications with various APIs and third-party systems, using technologies such as RESTful APIs, GraphQL, and Apache Kafka.
* Used log4j for tracking errors and debugging the code. Implemented Spring MVC architecture and increased modularity by allowing the separation of cross-cutting concerns using Spring AOP.
* Developed application with Front-end **JavaScript** frameworks with **Angular 8**.

**Environments:**  Java 7, Spring 3.3, Hibernate, Java/J2EE, Web services, Servlets, JavaScript, JSF 2.0, JSP,

Spring Boot, MongoDB 3.4.5, Node, Angular 8, Junit, PCF, SOAP, Restful, JDBC, Tomcat, JBoss, Maven.