**Kavya Patel**

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**Sr Java Full Stack Developer**

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 **Summary:**

Highly skilled and motivated Java Full Stack Developer with 7+ years of experience in designing and developing complex web applications. Seeking a challenging position to utilize my expertise in Java, Spring, Spring Boot, React, Angular, AWS and other Cloud services to deliver high- quality software solutions. Have experience across various industries including Banking, CyberSecurity, Telecom, Software Development.

 **Professional Summary:**

* Experienced Java Developer with over 7 years in **Software Development Lifecycle (SDLC)**, specializing in **Agile methodologies** like **Scrum** and **Kanban.**
* Experience in front-end development with expertise in building dynamic, responsive web applications using **React.js**, **Redux**, and **JavaScript** frameworks.
* Expertise in creating and maintaining **reusable React components**, optimizing application performance, and applying **object-oriented programming concepts**.
* Confident Agile experience in leading project teams and facilitate the **agile approach** within these teams.
* Proficient in **Core Java, Spring Framework (IoC, DI, AOP, Boot, Data JPA), Hibernate ORM, and Struts**.
* Skilled in front-end technologies including **HTML5, CSS3, JavaScript, TypeScript, Angular, React,D3. JsEs6 Redux, Router, and Bootstrap.**
* Experienced in backend technologies such as **Node.js, RESTful APIs, SOAP, Microservices**, and messaging systems like **Kafka, ActiveMQ, RabbitMQ, and JMS.**
* Experience in Restful webservices development using **Express, Node.JS and MongoDB.**
* Experience in architecture design, development, and implementation of **software applications** and testing.
* Expertise in **troubleshooting** and **debugging** applications.
* Proficient in working with databases like **MySQL, PostgreSQL, Oracle, DB2,** and **MongoDB.**
* Strong experience in cloud platforms, including **Amazon Web Services (AWS)** and **Microsoft Azure**, with knowledge of containerization using **Docker** and orchestration with **Kubernetes.**
* Effective management of AWS components, including **EC2, S3 bucket, ELB, Auto-scaling, Elastic Search and Virtual Private Cloud (VPC)** via AWS console and API Integration.
* Expertise in **J2EE Architecture** using **Java, JDBC, Java Beans, ANT, Log4J, UML, XML, CSS, HTML, and JavaScript.**
* Expertise in Spring framework extensively used **Spring Boot, DI, Spring AOP, Spring JDBC** templates and **Spring MVC**.
* Extensive experience in integrating various systems and services, ensuring seamless data exchange and functionality. Proficient in leveraging **APIs, middleware, and cloud services** to create cohesive and efficient solutions.
* Extensive experience in designing and implementing **IAM infrastructure.**
* Utilized **Google Cloud Platform (GCP) tools, including Big Query, Dataflow, and Data prep,** to design and optimize data pipelines, ensuring seamless data transformation and integration.
* Conducted comprehensive source-to-target data mapping, transforming and validating data from Bronze/Silver stages to final **Enterprise Product Data (EPD)** within a cloud-based data warehouse.
* Skilled in **CI/CD pipelines** utilizing **Jenkins** and **Azure DevOps** and **Nexus** proficient with version control systems such as **Git**, **GitHub** and **Bitbucket**.
* Developed Java APIs for data retrieval and analysis on NoSQL databases, including HBase and Cassandra. Also worked with NoSQL databases like **Cassandra and MongoDB** for proof-of-concept (POC) purposes
* Experience in **Use Cases, Sequence Diagrams** and **Class Diagrams** using UML, J2EE Design Patterns.
* Worked on user-friendly and fully functional applications for **Android** and **HTML5**.
* Experienced in building tools such as **Gradle, Maven, and Apache ANT** and monitoring tools like **ELK stack, Nagios, and Log4J.**
* Proficient in using development environments like **Eclipse IDE, IntelliJ IDEA**, and application servers like **Apache Tomcat, WebLogic, and WebSphere**.
* Familiar with issue tracking and project management tools like **JIRA** and experienced in unit testing using **Mockito** and logging with **Log4J**.
* Hands on experience in handling message service using **Apache Kafka**.
* Hands on experience in using message brokers such as **ActiveMQ** and **RabbitMQ, IBM MQ**.
* Proficient in **SQL, PL/SQL, T-SQL, Views, Functions, Stored Procedures** and **Triggers**.
* Worked in **TDD** and version management tools **GitHub, SVN**.
* Created desktop application with**Angular 2/4**.
* Built responsive web interfaces using **Ext JS**, improving user experience and data handling in Java-based applications.
* Subversion **SVN, GIT** and Visual Source Safe as versioning software tools.
* Expertise in implementing various J2EE design patterns like **Singleton, Session Facade, Data Access Objects (DAO), Factory, Data Transfer Object (DTO)** and **Business.**
* Good experience in developing customized policies in **APIGEE Edge** and developing API’s in **APIGEE Bass**.
* Used APIGEE **Management APIs** for certain operation.
* Strong Programming skills in java, **multi-threaded** application by using **J2EE** Technologies.
* Implemented **Dynatrace** on different cloud technologies like AWS, Azure and GCP.

 **Technical Skills:**

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| --- | --- |
| Java/Java EE Frameworks | Core Java, Spring Framework (IoC, DI, AOP, Boot, Data JPA), Hibernate ORM, Struts |
| Web Development | HTML5, CSS3, JavaScript, TypeScript, Angular, React, Redux, Router, Bootstrap |
| Server-Side | Node.js, RESTful APIs, SOAP, Microservices |
| Database Technologies | MySQL, PostgreSQL, Oracle, DB2, MongoDB |
| Cloud and Infrastructure | Amazon Web Services (AWS) - EC2, S3, Lambda, RDS, SQS, SNS, CloudFront, Microsoft Azure - App Service, Azure Active Directory (AD), Azure DevOps, Logic Apps |
| Containerization and Orchestration | Docker, Kubernetes |
| Messaging Systems | Kafka, ActiveMQ, RabbitMQ, JMS |
| Data Integration | ETL tools such as Talend, Informatica, Apache NiFi |
| Middleware | Apache Camel, MuleSoft, Tibco |
| API Management | APIGEE, Kong, AWS API Gateway, Azure API Management |
| Data Transformation | XML, XSD, XSLT, JSON |
| CI/CD Pipelines | Jenkins, Azure DevOps |
| Version Control | Git, GitHub |
| Build Automation | Gradle, Maven, Apache ANT |
| Monitoring and Logging | ELK, Nagios, Log4J |
| Development Environments and Tools | Eclipse IDE, IntelliJ IDEA, Apache Tomcat, WebLogic, WebSphere |
| Management &Collaboration | JIRA for task management |
| Unit Testing | Mockito, Log4J |
| SDLC | Software Development Lifecycle (SDLC) |

**Education:**

**MS in Computer Science, Loyola Marymount University, Los Angeles, CA Aug 2022 - May 2023**

**Courses:** Multi-agent Systems and Distributed AI, Algorithms and Data Structures, Software Architecture, Adv. Systems Engineering and Program Management, Programming Language Semantics

**Master of Computer Applications, Gujarat Technological University, Gujarat, India June 2016 - May 2018**

**Courses:** SQL, Operating Systems, Programming with Java, Computer Networking

**Bachelor of Computer Applications Gujarat University, Gujarat, India June 2013 - April 2016**

**Courses:** Database Management System, Statistical Computing, Object Oriented Design, Website Development, C/C++, Core Java

**Professional Experience**

**Client: Truist Bank, Foster City, CA Jan 2024 to Present**

**Sr Java Full Stack Developer**

* Implemented Spring **Inversion of Control (IoC)** **and Dependency Injection (DI)** to achieve a loose coupling and maintainable codebase, and worked with the Spring Framework including **Spring IoC**, **Spring Boot, and Spring DAO.**
* Used **Apache Spark** for efficient large-scale data processing and real-time analytics.
* Implemented an **SDLC** methodology that streamlined application development, resulting in faster delivery times and improved quality.
* Implemented AWS Glue for automated **ETL** processes, streamlining data integration.
* Utilized **Spring Batch** for batch processing tasks, improving data processing efficiency and reliability.
* Implemented filters for user authentication and user authorization by **Spring Security**.
* Involved in the implementation of DAO using **Spring-Hibernate ORM**, involved in creating the Hibernate **POJO Objects** and mapped using Hibernate Annotations.
* Designed and implemented secure SSO solutions utilizing **OAuth2, SAML**, and **JWT**, enabling seamless access across multiple applications and enhancing user experience.
* Optimized application performance through **performance tuning** of Java backend and database queries, reducing response times and improving overall system efficiency.
* Deployed and managed **event-driven applications** on AWS infrastructure, utilizing **EC2, EMR, Glue,S3, Lambda, RDS, SQS, SNS, Kinesis** and CloudFront services for real-time data streaming, processing, and seamless cloud-based operation.
* Built responsive interfaces using **UX/UI** principles with **HTML5, CSS3, JavaScript**, and **React** for enhanced user experience.
* Experience developing responsive web applications using **React.js**, including state management with **Redux**, optimizing component performance, and implementing **React Hooks** for functional components.
* Applied **ES6** features like arrow functions and promises for cleaner, efficient **JavaScript** code.
* Responsible for gathering requirements, system analysis, design, development, testing and deployment.
* Created RFP Microservice to provide **RESTful API** utilizing **Spring Boot** with **Microservices**.
* Working Knowledge in **AWS EC2** by creating snapshots, volumes, and security groups for **public** and **private instances**.
* Integrated AI/ML models with **cloud infrastructure** such as **AWS** and **Azure**, leveraging services like **SageMaker**, **AWS Lambda**, and **Azure Machine Learning** to build scalable machine learning solutions.
* Created detailed documentation on performance tuning, **troubleshooting steps**, and generated system health reports to support ongoing optimizations.
* Created IAM policies for delegated administration within AWS and Configure **IAM Users / Roles / Policies** to grant fine - grained access to AWS resources to users.
* Hands on experience with **IAM products ( ForgeRock, Oracle IDM, Courian )** - Design and engineering experience, handling updates and patches.
* Designed and developed **RESTful APIs** and explored **GraphQL** for flexible data querying.
* Worked on AWS Data Pipeline to configure data loads from **S3 to into Redshift.**
* Implemented **Snowflake** cloud data warehouse for efficient data storage and retrieval, optimized complex queries to improve data processing time, and integrated Snowflake with **AWS** for real-time data streaming and analytics.
* Extensive design implements and test services experience in a Micro Service-oriented architecture and has implemented the REST based Microservices using the Spring Boot,Spring Data with **JPA (Java**

**Persistence API)**.

* Designing and developing Restful API and services using best practices to interact within the **microservices** and with the front end. Using **spring MVC** and **spring rest**.
* Used date-format and moment packages in **Node.JS** to save the **timestamp** in database converting into GMT. Involved in **Test Driven Development** by writing unit test cases.
* Integrated various AWS services (EC2, S3, Lambda, RDS, SQS, SNS, CloudFront) for **seamless cloud-based solutions.**
* Gained substantial experience in implementing Dynatrace **AppMon** and analyzed application performance using **JMeter** and Dynatrace APM.
* Used **JQuery** and **Ajax** calls for transmitting **JSON** data objects between frontend and controllers.
* Managed data storage and retrieval operations using both relational databases like **MySQL** and **NoSQL** databases such as **MongoDB**.
* For inter service communication we use **Kafka** messaging systems.
* Worked on persistence layer using **O/R Mapping tool IBatis** with **Oracle Database**.
* Experience with **SQL** and basic **CRUD operations**.
* Designed and implemented **Service-Oriented Architecture (SOA)** principles for modular and interoperable systems.
* Applied knowledge of fixed income markets and tools such as **ION, Bloomberg, Polypaths**, and **Murex** in financial applications and **data processing** tasks within the banking environment.
* Managed infrastructure as code using **Terraform,** automating deployment and configuration tasks. Set up **CI/CD** pipelines using **Jenkins** for efficient software delivery.
* Developed single-page applications (SPAs) using React, **Redux**, and Router for enhanced user experiences.
* Worked on the monitoring tools and visualization tools and telemetry tools like **Prometheus** and **Grafana** and monitoring the Kubernetes pod metrics in regular intervals of time.
* Containerized applications using **Docker** and managed container orchestration using **Kubernetes.**
* Implemented **ELK** (**Elasticsearch, Logstash, Kibana**) stack for centralized logging and monitoring.
* Practiced Test-Driven Development (**TDD**) using JUnit for comprehensive unit testing.

**Environment**: Spring, Hibernate, AWS, MySQL, MongoDB, Kafka, XML, Node.js, React, Jenkins, Docker,Kubernetes, ELK stack, Git, Gradle, Apache Tomcat, TDD using JUnit, Agile, Scrum, JIRA.

 **Client : Exabeam, NC Sep 2023 - Dec 2023**

 **Sr Java Full Stack Developer**

* Engaged in full-stack development, including requirement analysis, design, and implementation of applications. Developed **single-page applications with Angular**, focusing on dynamic page applications.
* Knowledge of **Infrastructure as Code (IaC)** principles with Terraform to manage Azure resources such as **Virtual Networks, VMs, and Kubernetes clusters.**
* Implemented **Microservice architecture** using **Spring Boot** services for communication via **REST** and **Apache Kafka message brokers.**
* Architected Microservices with **AWS Lambda** functions and **Node.js**, integrated with AWS services like **AWS Gateway API, Elastic Search, Beanstalk, DynamoDB**, and **Docker** with **Kubernetes** for cost-efficient and scalable applications.
* Designed JSON requests and built Microservices with **Spring Boot and Spring Cloud**, deploying them to AWS Cloud.
* Basic understanding of integrating logging and monitoring tools, such as **Azure Monitor** and **Log Analytics**, with Terraform for enhanced observability.
* Conducted testing of RESTful services and operations **using POSTMAN and SoapUI**.
* Integrated **GraphQL with microservices architecture**, enhancing modularity and service interoperability.
* Employed **Jest and Jasmine** for Unit Testing in **Angular 11** and Protractor for End-to-End Testing, ensuring high code quality and reliability.
* Leveraged Advanced Animations in **Angular 11** using the Angular Animation module for smooth and dynamic UI transitions.
* Implemented performance tuning strategies for Java applications running on OpenShift, utilizing **Kubernetes**-native tools such as **Prometheus** and **Grafana** for monitoring and optimization.
* Possess strong understanding and experience with Docker and Kubernetes for rapid application deployment and CI/CD pipeline setup
* Integrated external payment gateways and authentication providers using **OAuth SAML, and LDAP** protocols for secure and scalable user authentication and authorization.
* Managed source control and versioning using **GIT**, monitored error logs with **Log4j**, and resolved issues.
* Utilized Angular 11 Ivy Renderer for faster compilation, improved debugging, and better performance.
* Implemented **Redis** for session management, enabling scalable and persistent user sessions across distributed environments.
* Utilized Cassandra, a **NoSQL** database management system, to store user-generated data, and applied basic knowledge of the **Cassandra-Spark** connector for loading data to and from **Cassandra.**
* Utilized **Ansible** to automate infrastructure provisioning and application deployment across AWS and Kubernetes environments.
* Employed **Bash** for scripting routine tasks, enhancing CI/CD efficiency and system monitoring.
* Expert in utilizing Intersystem Cache for backend development, focusing on data modeling, query optimization, and integration to boost performance and ensure data integrity in high-demand environments.

**Environment**: Java, Spring, Hibernate, Struts, PHP, jQuery, JavaScript, Oracle, Crud, Pl/SQL, JDBC, Open-shift, Rest, Eclipse, WebLogic, ClearCase, Junit, Agile, UML, JSP, JSTL (Java Server Pages Standard Tag Library), Maven, Itext, Google Web Kit (GWT), Jasper Report, ILog

 **Client: Charter Communications, Negaunee, MI Dec 2022 - Aug 2023**

 **Sr Java Full Stack Developer**

* Used **Spring** for bean instantiation, annotations, controllers, request mapping to handle the Webservice request and response.
* Developed REST Web services to make web service calls simple and easy for the client to access it with the help of standard **HTTP URIs.**
* Designed and developed the REST based **Micro Services** using the **Spring boot** presentation layer code, using JSP, HTML, AJAX and jQuery.
* Design, develop &amp; deliver the **REST APIs** that are necessary to support new feature development and enhancements in an agile environment.
* Developed the project using industry standard design patterns like **Singleton**, **Business Delegate Factory** Pattern for better maintenance of code and re-usability.
* Developing application module coded on **Spring Batch** and **Apache Camel** the Business layer using spring (IOC, AOP), DTO, and JTA.
* Developed unit test cases using **Junit** framework for testing accuracy of code and logging with SLF4j +Log4j the Persistence layer DAO using HIBERNATE.
* Developed **Web Services** using SOAP, SOA, WSDL **Spring MVC** and developed DTDs, XSD schemas for XML (parsing, processing, and design) to communicate with Active Directory application using Rest API.
* Used **Angular** as the development framework to build a single-page application and reusable **AngularJS** applications.
* Extensive use for developing test cases and performed unit and integration, tested by using Junit involved in developing Webservices operations in **Service Oriented Architecture** (SOA).
* Followed agile methodology during complete **SDLC** process. Participated **Agile/Scrum** development and deployment teams.
* Used Spring Framework for the **application development**. Involved in front end development using, JSP's, JSF and JSTL.
* Implemented the application using **Spring Boot** Framework and handled the **security** using Spring Security **JSP Standard Tag Libraries** (JSTL) along with Expression Language (EL).
* Extracted data in **UI** for different clients using **JSON**. Integrated with third party Sale point API to make restful Webservices call.
* Used **Maven** for the project management like build, install deployed application on **Apache Tomcat** server.
* Have Experience in using **GitHub repository** to run the Jenkins job for Continues Integration while developing the applications and posting them in GIT.
* Developed **Groovy scripts** to test Report application output. Used **Selenium** for UI automation and used log4j for logging errors, info, exceptions.

**Environment:** Java, Spring, Spring Boot, Spring Batch, Spring MVC, Spring Security, Hibernate, JSP, JSF, JSTL, AngularJS, jQuery, JavaScript, REST, SOAP, SOA, Maven, Git, Jenkins, Apache Tomcat, Log4j, SLF4j, Groovy, Selenium, JUnit, Oracle, JSON, WSDL, XML, Active Directory, Apache Camel, PostgreSQL, Agile, Scrum, Eclipse, IntelliJ, GitHub, Maven, JTA, XML Schema (XSD), DTDs, AJAX, HTML, CSS, Express.js, Node.js

**Client: Java/Python Developer**

**Integrity Spirit, Hyderabad, India June 2019 to Jul 2022**

* Involved in Requirements gathering, Analysis, Design, Development, and Testing of the application using **AGILE methodology (SCRUM).**
* Developed Open stack API to integrate with **Amazon EC2 cloud-based architecture** in AWS, including creating machine Images.
* Developed Hibernate mapping files using different mapping strategies such as table per class hierarchy and used Hibernate Persistence Strategy to interact with database.
* Created **Angular** directives, Controllers, Modules, Pipes Etc In TypeScript.
* Created RFP (Request for Proposal) microservice to provide Restful API utilizing Spring Boot with **Spring MVC**.
* Implemented Spring MVC framework in the presentation tier for all the essential control flow, business level validations and for communicating with the business layer.
* Developed code using Design Patterns like DAO, Factory Pattern, Singleton and Value Objects, Decorator, State, Strategy.
* Installed and administered Atlassian tool set including **JIRA, Confluence, Crucible, and Bamboo**.
* Used spring as the **MVC model** and Spring AOP and **Spring Boot** for common cross cutting concerns like security and interception.
* Implemented Docker container service, build pipeline like **Jenkins**, Bamboo and Go CD for Continuous Integration and Continuous Deployment that can run on the cloud or on-premises
* Worked on Code builds, and code changes are made in **JavaScript, Python and Shell scripts**.
* Configured Source Code Management tools with Bamboo and executed triggers in SVN.
* Created Views, Sequences in the oracle database and modified the existing **PL/SQL stored procedures**.
* Worked on Load testing on JMeter to improve the performance of newly developed code.
* Used **UNIX** shell scripting to automate software installation and testing. Wrote scripts to apply application patches and Oracle table updates.
* Used **GitHub** to maintain the versions of the source code of the project.
* Used **CI/CD** technologies such Git, Chef, Jenkins are used for developing and deploy webservices.
* Developed integration modules for disparate clients using **Apache Camel**.
* Involved in Unit testing of application using **Karma and Jasmine library** to make sure that the application is compatible in all browsers.
* Worked in close cooperation with project managers and other functional team members to form a team effort in development.

**Environment:** Java, Spring Boot, Spring MVC, Hibernate, Angular, TypeScript, Python, Shell Scripting, Amazon EC2, AWS, OpenStack API, Docker, Jenkins, Bamboo, GoCD, Atlassian Tools (JIRA, Confluence, Crucible), Apache Camel, Oracle, PL/SQL, GitHub, SVN, JMeter, UNIX Shell Scripting, RESTful APIs, Microservices, Design Patterns (DAO, Factory, Singleton, Strategy, Decorator, State), CI/CD, Git, Chef, Maven, Karma, Jasmine, Agile, Scrum, Bamboo, Confluence, SVN, Eclipse, IntelliJ, Maven

**Client:** **Integrity Spirit, Bangalore, India**

**Java Developer Aug 2017 - June 2019**

* Implemented AngularJS Expressions, Directives, Controllers, filters and created Angular JS service layer.
* Developed the dynamic User Interface using Java Server Pages utilizing Custom Tag Libraries**, HTML, CSS, and JavaScript.**
* Used AJAX (**Asynchronous JavaScript and XML**) to implement user friendly and efficient client interfaces.
* Involved in development of **cascading style sheets (CSS)** to make the **HTML** documents to be displayed using different output styles.
* Implemented business tier using **STRUTS and MVC**.
* Developed Client ide Validations using Java Script and Server-Side Validations using spring validation framework.
* Application and use of various design patterns such as DAO, Data Transfer Objects, Front Controller, and Business Delegates.
* Beans in the application for storing Customer information and billing work.
* Designed and implemented **DAO layer** using **Hibernate 3.0**.
* Involved in the development of Queries, Joins, Triggers and Stored Procedures for Oracle Server 10g backend implementation.
* Used Eclipse to develop the Web Application and deployed on WebLogic application server.
* Responsible for **Unit testing with** JUnit and support for Integration testing and User acceptance testing.
* Used **Log4J** for logging and debugging process.
* Merging the code using Rational **Clear case**.

**Environment:** Java, AngularJS, Spring, Struts, Hibernate, JSP, JavaScript, HTML, CSS, AJAX, Oracle, PL/SQL, JUnit, Eclipse, WebLogic, Log4J, Rational ClearCase, MVC, DAO, Data Transfer Objects (DTO), Business Delegates, Web Services, XML, MySQL, Design Patterns (DAO, Front Controller), Oracle 10g, Maven