Rahul Yadav Dhanajaya
Sr Java Full Stack Developer
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Professional Summary:

- Senior Java Full Stack Developer with **11+ years of experience** delivering **enterprise-scale, cloud-native, and distributed applications** across **banking, payments, healthcare, insurance, and SaaS domains**.
- Extensive experience across the **entire Software Development Life Cycle (SDLC)** including requirements analysis, system design, architecture, development, integration, testing, deployment, documentation, and production support.
- Strong background in **Agile (Scrum, Sprint), TDD, and Waterfall** methodologies, working closely with product owners, architects, QA, and DevOps teams.
- Proven expertise in designing and developing **backend-heavy, high-performance microservices** using **Java (8/11/17), Kotlin, Spring Boot, Spring MVC, Spring Cloud, Hibernate/JPA, JDBC, JMS**, and **REST/SOAP APIs**.
- Experienced in building **high-throughput, low-latency systems (10K+ TPS)** with strict SLA, resiliency, and fault-tolerance requirements.
- Deep domain expertise in **end-to-end payment systems**, including authorization, clearing, settlement, reconciliation, fraud detection, chargebacks, and regulatory reporting.
- Strong focus on **secure and compliant application development**, delivering solutions aligned with **PCI-DSS, SOX, and GDPR** standards.
- Extensive hands-on experience modernizing **legacy monolithic systems into scalable microservices architectures**, improving performance, availability, and maintainability.
- Extensive **multi-cloud experience across AWS and Azure**, designing and deploying **cloud-native applications** using **AWS (EC2, EKS, EMR, Lambda, S3, DynamoDB, CloudFormation, VPC, IAM, ELB, Auto Scaling, SNS, SQS)** and **Azure (App Services, AKS, Azure Functions, Azure Storage, Azure SQL, Azure Monitor, Azure DevOps)**.
- Proven experience deploying containerized applications using **Docker, Kubernetes, AKS, and RedHat OpenShift**, including cluster setup and workload orchestration.
- Actively involved in **CI/CD automation** using **Jenkins, GitHub Actions, Maven, Git, SonarQube, and JFrog**, enabling reliable and repeatable deployments.
- Experienced in **event-driven and data-streaming architectures**, building real-time pipelines using **Kafka producers/consumers, CDC pipelines, HDFS**, and **Spark (batch and streaming)**.
- Strong experience with **API management platforms** such as **Apigee**, including API lifecycle management, security policies, monitoring, and service-level testing.
- Solid **full-stack development experience** using **Angular (JS–15), React, TypeScript, JavaScript, HTML5, CSS3, and Bootstrap**, delivering responsive and cross-browser web applications.
- Skilled in integrating frontend applications with **Spring-based backend services** and enterprise APIs.
- Hands-on experience with **relational and NoSQL databases** including **Oracle, MySQL, PostgreSQL, SQL Server, DB2, Teradata, MongoDB, and DynamoDB**.
- Strong expertise in **JDBC, hibernate mappings, SQL optimization**, and managing large-scale datasets.
- Adept in **observability and SRE practices**, instrumenting applications using **OpenTelemetry** and exposing metrics and logs to **Prometheus, Grafana, ELK, Splunk, Datadog, and Azure Monitor**.
- Experienced in configuring centralized logging and tracing using **Log4J**, improving system visibility and reducing MTTR.
- Maintaining the flow controls during the designing of the backend and frontend technologies effectively by using **Neo4J** and **GraphQL**.
- Demonstrated **technical leadership**, mentoring junior developers, conducting code reviews, enforcing coding standards, and driving best practices across Agile teams.
- Strong experience with **BDD/TDD** and automated testing frameworks including **JUnit, TestNG, Selenium, Mockito, Cucumber, and Spock**.

- Proficient in **service-level and API testing** using **Postman, SoapUI**, and Apigee.
- Experienced working with **application servers** such as **Apache Tomcat, WebLogic, WebSphere, and JBoss**.
- Strong working knowledge of **Linux/UNIX environments**, deployment automation, and scripting.
- Proficient with **version control systems** including **Git and SVN**, and collaborative development in large enterprise teams.
- Familiar with **Python**-based frameworks and scripting for backend services and automation.
- Strong working knowledge of **Linux/Unix** environments with scripting (**Shell**, **Python**, **Perl**) for deployment automation, batch processing, and production support.
- Known for strong **ownership, problem-solving skills, leadership mindset**, and the ability to deliver reliable solutions in fast-paced, production-critical environments.

Technical Skills:

Programming Languages	Java (8/11/17), Kotlin, Python, JavaScript, TypeScript
Backend	Spring Boot/MVC/Cloud/Security, Hibernate/JPA, JDBC, Servlets, Struts
Frontend	Angular (JS, 2–17), React, HTML5, CSS3, Bootstrap, jQuery, AJAX
Scripting	Linux Shell (Bash), Python, Perl (automation & batch support)
APIs	REST, SOAP, JAX-RS, GraphQL, Apigee
Cloud/DevOps	AWS (EC2, S3, EMR, Glue, DynamoDB, Lambda), Docker, Kubernetes, Jenkins, Maven, Git
Data & Streaming	Kafka, Debezium, Spark, PySpark, Airflow
Databases	Oracle, DB2, MySQL, PostgreSQL, MongoDB, Cassandra, DynamoDB
Messaging/Cache	ActiveMQ, JMS, Camel, Redis
Security/Monitoring	OAuth2, SSO, KMS, Vault, PCI-DSS, Prometheus, ELK
Testing/Servers	JUnit, Selenium, Tomcat, WebLogic, JBoss, WebSphere
Methodologies	Agile, Waterfall, Test Driven Development (TDD)

PROFESSIONAL Experience:

Client: United Health Group, TX   **Sep 2024 – Present**
Role: Senior Full Stack Developer
Responsibilities:
- Designed and implemented **cloud-native, event-driven microservices** using **Java 8+, Spring Boot, Spring Cloud (Config Server, Zuul), Spring Security**, processing high-volume healthcare and financial transactions on **AWS, PCF, OpenShift, Docker, and Kubernetes**.
- Architected **real-time and batch data processing pipelines** using **Kafka, Spark Streaming (PySpark), Storm, AWS EMR, S3, Glue, DynamoDB**, enabling reconciliation, fraud detection, analytics, and large-scale data ingestion for insurance platforms.
- Built and managed **API integration and management layers** using **Apigee (Edge, Facade patterns, proxies), REST/SOAP, JSON/XML**, and led migrations from **legacy monoliths to microservices** deployed on AWS and container platforms.
- Developed **backend services and integrations** using **Spring MVC, Hibernate/JPA, JDBC, JMS, Node.js/NestJS, Python (Lambdas, Step Functions)**, supporting workflow orchestration, secure API consumption, and system-to-system communication.
- Implemented **CI/CD and DevSecOps pipelines** with **Maven, Jenkins, Bamboo, Bitbucket, SonarQube, JFrog**, embedding **secure-coding, PCI-DSS controls, static analysis, automated testing**, and environment-specific deployments.
- Established **observability and monitoring** using **Prometheus, Grafana, ELK, Splunk**, defining SLOs and dashboards to reduce MTTR and improve reliability across distributed healthcare systems.

- Developed **full-stack web applications and SPAs** using **Angular 9/11, React, TypeScript, JavaScript, jQuery, HTML5, CSS3, Bootstrap, SASS/LESS**, implementing routing, forms, validations, reusable components, and MVC integration with Spring backends.
- Integrated **React/TypeScript** UI widgets into the member-dispute workflow, boosting agent case-resolution speed by 18 %.
- Built **UI integrations and client-side logic** using **AJAX, JSON/XML**, jQuery plugins, Kendo UI, and Node.js tooling (gulp), ensuring cross-browser compatibility and performant user experiences.
- Implemented **frontend and backend testing** using **JUnit, Karma, Jasmine, Mocha**, following **TDD and Agile/Scrum**, and applying enterprise design patterns (**MVC, DAO, DTO, Singleton, Factory, Service Locator**).
- Utilized **Linux** shell and **Perl**/**Python** scripts for batch execution, log analysis, deployment automation, and production issue investigation.
- Developed and supported **mobile and auxiliary applications** using **Java/Kotlin (Android), Swing utilities**, and integrated with **.NET Core Web APIs**, ensuring interoperability across healthcare platforms.

Environment: Java 8+, Python, JavaScript, TypeScript, Kotlin, Spring Boot, Spring MVC, Spring Cloud (Config Server, Zuul), Spring Security, Hibernate/JPA, Angular 11/17, React, Node.js, NestJS, AWS (EC2, S3, EMR, DynamoDB, Glue), PCF, OpenShift, Docker, Kubernetes, Apache Kafka, Kafka Streams, Apache Storm, Apigee Edge, REST, JSON, XML, Maven, Jenkins, Bitbucket, JFrog, SonarQube, Prometheus, Grafana, ELK, Splunk, HTML5, CSS3, Bootstrap, SASS/LESS, AJAX, JUnit, Karma, Jasmine, Mocha, Android (Java/Kotlin), Swing, JDBC, JMS, Agile, Scrum.

Client: USAA, San Antonio, TX   **Jan 2023 – Aug 2024**
Role: Senior Java Full Stack Developer
Responsibilities:
- Participated in **full SDLC activities** including requirements analysis, design, development, testing, and deployment of **enterprise-scale banking and payment applications** within an **Agile/Scrum** environment.
- **Designed and built high-performance backend services** using **Core Java, Java 17, Kotlin, Spring Boot, Spring MVC, JAX-RS, Hibernate, JDBC, Spring DAO/IoC**, sustaining **1,500+ TPS with sub-50 ms latency** for mission-critical transaction processing.
- Implemented **secure, cloud-native microservices** with **OAuth2, SSO, PCI-DSS compliance**, tokenization, encryption, and centralized logging using **Azure Key Vault** and **Log4j**, passing all internal security audits with zero critical findings.
- Developed **secure REST-based microservices** using Spring Boot, implementing encryption, OAuth2/SSO, role-based access control, and compliance controls for sensitive financial data.
- **Architected event-driven and data-streaming platforms** using **Kafka, Kafka Streams, Debezium (CDC), Apache Camel, ActiveMQ**, enabling real-time fraud detection, reconciliation, and analytics workflows.
- Implemented and maintained **CI/CD pipelines** using **Azure DevOps, Maven, Jenkins, Git**, automating build, test, and deployment workflows to support frequent, reliable releases.
- Developed **batch and streaming ETL pipelines** using **Apache Spark (SQL, DataFrames, Structured Streaming)** on **Azure Databricks**, orchestrated with **Azure Data Factory**, transforming large-scale transactional data into analytics-ready datasets stored in **Azure Blob Storage**.
- Containerized and orchestrated applications using **Docker and Azure Kubernetes Service (AKS)** with **Horizontal Pod Autoscaling** and **Azure Load Balancer**, achieving **95% uptime** and improved scalability across production environments.
- Built responsive full-stack web applications using **Angular 9/11, React, TypeScript, JavaScript, HTML5, CSS3, Bootstrap, jQuery, JSP, AJAX, JSON, DOJO**, including **GraphQL-based real-time dashboards** for payment and risk metrics.
- Developed **Node.js and TypeScript APIs** supporting frontend integrations, configuration loaders, enterprise email, and SSO authentication, while optimizing backend interactions using **Spring JDBC** and caching layers.
- Optimized system performance and reliability using **Redis, in-memory caching**, **AKS autoscaling**, **Azure Monitor, Application Insights**, and Spark cluster tuning—reducing infrastructure costs by **30%** and deployment errors by **20%**.

- Drove engineering excellence and leadership by conducting code reviews, mentoring junior developers, enforcing **Git branching strategies**, **Maven** dependency management, **Jenkins CI/CD** pipelines, and maintaining consistent coding standards across teams.

Environment: Core Java, Java 17, Kotlin, Spring Boot, Spring MVC, Hibernate, JDBC, JAX-RS, Angular, React, TypeScript, JavaScript, HTML5, CSS3, Bootstrap, jQuery, JSP, AJAX, JSON, DOJO, Node.js, Apache Kafka, Kafka Streams, Debezium (CDC), Apache Spark, Azure Databricks, Azure Blob Storage, Azure Kubernetes Service (AKS), Docker, , Azure DevOps, , Apache Tomcat, WebSphere 8.5, Apache Camel, ActiveMQ, Redis, DB2, MS SQL Server, Couchbase, OAuth2, SSO, Azure Monitor, Application Insights, Log4j, Maven, Jenkins, Git, RAD 7.5.

Client: Quotient, Mountain view, CA   **Aug 2022 – Dec 2022**
Role: Java Full Stack Developer
Responsibilities:

- Designed and developed **full-stack enterprise applications** using **Java/J2EE, Spring Boot, Spring MVC, Spring Data, Spring Security, Hibernate/JPA**, following **SOA and Microservices architecture** principles.
- Built and integrated **RESTful and SOAP web services** using **Spring Boot, JAX-RS (Jersey), Apache CXF**, and managed APIs through **Apigee**, including proxy configuration, security, logging, telemetry, performance testing, and multi-environment setup.
- Developed **responsive, interactive user interfaces** using **React.js, TypeScript, JavaScript, HTML5, CSS3, JSP, AJAX, jQuery, Bootstrap**, implementing Hooks, Redux, Router, JSX, Flux, reusable components, and cross-browser compatibility.
- Implemented **backend and orchestration layers** using **Spring Boot, Node.js, Express.js**, handling JSON data exchange and frontend integration following ECMAScript standards.
- Modernized legacy services into **cloud-native microservices on AWS**, contributing to **45–50% reduction in service response time** and improved scalability using **EC2, S3, RDS, DynamoDB, Lambda**, and **CloudFormation**.
- Designed and optimized **batch and data pipelines** using **Spring Batch**, **Spark/PySpark ETL**, Spark SQL, and **Apache Airflow** on **AWS EMR**, improving data processing throughput by **~40%**.
- Built **real-time and asynchronous integrations** using **Kafka, Debezium**, JMS, and MQ services to support distributed and legacy systems.
- Worked extensively with **Oracle, PostgreSQL, and DynamoDB**, designing schemas, DAOs, JDBC drivers, SQL queries, stored procedures, views, triggers, and performance-optimized data access.
- Implemented **CI/CD and containerized deployments** using **Docker, Kubernetes, Jenkins, Git**, enforced code quality with **SonarQube**, and followed **TDD** using **JUnit and Selenium-Cucumber automation**.

Environment: Java, J2EE, Spring Boot, Spring MVC, Spring Data, Spring Security, Hibernate, JPA, REST, JAX-RS, Apache CXF, Microservices, SOA, React.js, JavaScript, HTML5, CSS3, Redux, Node.js, Express.js, Kotlin, Spark, PySpark, Spring Batch, Apache Airflow, Kafka, Debezium, JMS, Oracle, PostgreSQL, DynamoDB, JDBC, AWS (EC2, S3, RDS, DynamoDB, Lambda, CloudFormation, CloudWatch), Apigee, Docker, Kubernetes, Jenkins, SonarQube, JUnit, Selenium, Cucumber, Eclipse, Git

Client: ADP, Hyderabad   **Jan 2018 – July 2021**
Role: Java/J2EE Developer
Responsibilities:

- Designed and developed enterprise web applications using **Java, J2EE, Servlets, JSP, JSTL, AJAX, XML/XSLT, JAXB**, and MVC frameworks including **Spring MVC and Struts**.
- Built **RESTful and SOAP-based web services** using **Spring Boot, JAX-RS, WSDL, SOAP**, and modern microservices architecture; refactored legacy services to be **REST-compliant and thread-safe**.
- Developed and maintained **backend loyalty and payment processing systems** for credit card rebate, transaction, and release workflows.
- Implemented **data persistence and business logic** using **JDBC, Hibernate, Oracle (SQL/PL-SQL)**, stored procedures, and **MongoDB (NoSQL)**.
- Developed client-side functionality using **Angular (JS,2/4), JavaScript, jQuery, HTML, CSS**, and implemented client-side validations and UI logic.
- Designed and deployed APIs using **Apigee**, including **API proxy development, SOAP-to-REST transformation**, troubleshooting, and monitoring via Trace tools.

- Integrated messaging and enterprise services using **JMS, MQ Series, JNDI, LDAP**, and deployed applications on **Linux servers, Red Hat OpenShift, and Azure**.
- Managed application builds and deployments using **Maven, ANT, Jenkins**, and implemented centralized logging with **Log4j**.
- Performed **unit, integration, and system testing** using **JUnit and Jasmine**, documented test results, and ensured production readiness.
- Debugged and optimized application components including **Business Objects, DAO layers**, and configured development environments using **Eclipse/Java Workspace**.

Environment: Core Java, J2EE, HTML, CSS, JSP, JDBC, JSP, JavaScript, Spring Boot, Micro Services, jQuery, Angular JS, Angular 2/4, XML, JSON, Apigee, Servlets, Spring Framework, PL/SQL, Hibernate, OpenShift, Oracle, JAXB, RESTful, Log4j

Client: Rootshell Technologies- Hyderabad, India   **Sep 2015 – Dec 2017**
Role: Core Java Developer
Responsibilities:
- Participated in the complete **Software Development Life Cycle (SDLC)** including analysis, design, development, testing, and implementation using **Agile and Waterfall** methodologies.
- Developed enterprise applications using **Core Java and J2EE**, with strong experience in **Collections, Exception Handling, Garbage Collection**, and **Servlets** for server-side business logic.
- Designed and developed the **presentation layer** using **HTML, CSS, JavaScript, and DHTML**.
- Implemented backend components using the **Spring Framework** including **Spring IOC, JDBC, and ORM**, and developed modules using **Eclipse IDE, JDBC, and MySQL**.
- Designed **UML artifacts** such as **use case, class, and sequence diagrams** for system architecture and workflow modelling.
- Wrote and executed **SQL queries**, **stored procedures**, and **functions** using the **JDBC API** to support business logic.
- Built and deployed applications using **Maven** on **WebLogic Server**, managed **virtual machine deployment and troubleshooting**, and used **Git** for version control.
- Applied **design patterns** including **Service Locator, Session Facade, Singleton, and Factory** to improve maintainability and scalability.
- Took **full ownership of modules**, prepared **System Use Cases (SUCs)** and **Unit Test Specifications (UTS)**, performed **JUnit testing**, and actively participated in **Agile ceremonies** including daily scrums, sprint planning, estimation, retrospectives, and demos.

Environment: Core Java, Collections, Multi-Threading, AWS, Struts, JSP, JDBC, Junit, SDLC, Eclipse, Tomcat, HTML, CSS, JavaScript, SQL, CVS, Waterfall, Design Patterns, DAO

Client: Tapadia Tech, Hyderabad, India   **Jun 2014 – Aug 2015**
Role: Java Developer
Responsibilities:
- Developed, customized, and enhanced applications on **Windows and Linux platforms** using **Core Java**.
- Built application modules using the **Struts MVC framework**, including **Form Handlers, Managed Beans, Value Objects (VOs), and DAO classes** for business logic implementation.
- Implemented **Struts MVC and Front Controller design patterns** to ensure structured request handling and maintainable architecture.
- Designed dynamic user interfaces using **JSP and Tag Libraries** for effective screen rendering.
- Developed **JDBC utility classes** for connection management and integrated applications with **MySQL**, using **Java Collections** to process transaction reports efficiently.
- Extensively wrote and optimized **complex SQL queries** within the business logic layer
- Performed **unit testing using JUnit** and implemented **Log4j** for application logging and debugging.
- Used **Eclipse IDE** for development and framework integration, managed source code with **ClearCase and CVS**, and deployed applications on **Apache Tomcat Server**.

Environment: Windows, Linux, Java, Servlets, JSP, Struts MVC, ATG Dynamo, JDBC, MySQL, Apache Tomcat, JUnit, Log4j, CVS, Eclipse IDE, CSS, JavaScript.

Education Details:
Master's in computer science