

# Rajaram Yadav

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## Professional Summary

Senior Full-Stack Engineer with 6+ years of experience building scalable Java/Spring Boot and React applications for finance and healthcare. Expert in microservices, event-driven architectures (Kafka), and cloud deployment (AWS/EKS). Proven track record in modernizing legacy monoliths, implementing robust OAuth2 security, and optimizing high-volume databases. Adept at leading Agile teams to deliver high-performance, secure, and observable distributed systems via CI/CD and DevOps best practices.

## Technical Skills

Languages: Java, Python, JavaScript, TypeScript, C++, SQL, PL/SQL, NoSQL

Frameworks: Spring Boot, Spring Framework (Spring 5.0, Spring Security), Hibernate, Node.js, React, Next.js, Angular, Django, Selenium, JUnit, jQuery

Frontend: HTML, CSS, Tailwind CSS, Material-UI, JavaScript, Angular, React

Databases: MySQL, PostgreSQL, Oracle, MongoDB, Cassandra

Cloud & DevOps: AWS (EC2, S3, Lambda), OCI, Docker, Kubernetes, Jenkins, Nginx, Application Servers (Apache Tomcat, WebLogic)

Tools: Git, Bitbucket, CVS, JIRA, IntelliJ IDEA, Maven, SQL Developer, Linux, Log4J

Concepts: Microservices Architecture, Design Patterns, Object-Oriented Programming (OOP), UML, CI/CD, Agile/Scrum, Data Structures & Algorithms, Data Analysis

## Work Experiences

### Senior Software Engineer - Waddell & Reed Financial Inc, Overland Park, KS *Jan 2025 - Present*

- Architected and deployed high-availability microservices using Java and Spring Boot, managing complex financial transactions within a distributed enterprise environment.
- Engineered dynamic portfolio dashboards with React, TypeScript, and Redux Toolkit, ensuring real-time market data synchronization and a seamless UI/UX for financial advisors.
- Implemented robust security frameworks utilizing Spring Security and OAuth2 to safeguard sensitive financial data and ensure compliance with industry-standard protocols.
- Designed event-driven architectures with Apache Kafka to decouple services, enabling asynchronous processing for trade executions and high-volume notifications.
- Orchestrated cloud deployments by containerizing applications with Docker and managing auto-scaling Kubernetes (EKS) clusters on AWS to handle traffic surges.
- Optimized data performance by refactoring PostgreSQL schemas and implementing Redis caching, significantly reducing API latency and database overhead.
- Streamlined development lifecycles by configuring automated CI/CD pipelines in Jenkins and integrating SonarQube to maintain rigorous code quality standards.
- Modernized legacy infrastructure by refactoring monolithic Java codebases into modular Spring Boot services, increasing long-term maintainability and feature velocity.
- Enhanced system observability by integrating the ELK Stack and Prometheus, enabling proactive monitoring and rapid troubleshooting of production environments.

### Software Engineer II - Humana Inc., Louisville, KY

*Feb 2023 - Dec 2024*

- Automated healthcare claim adjudication by engineering scalable Java/Spring Boot microservices, reducing manual intervention by 45% and increasing first-pass resolution rates.
- Architected a high-performance member portal using React and Hooks, improving mobile responsiveness and resolving page flicker issues to enhance the digital experience for policyholders.
- Ensured 100% HIPAA compliance by implementing rigorous role-based access controls (RBAC) and AES-256 data encryption for sensitive patient health information (PHI).
- Integrated Spring Batch jobs to process bulk enrollment files during high-volume periods, achieving a 30% increase in data ingestion throughput for new member onboarding.
- Modernized legacy mainframes by developing REST/SOAP integration layers, abstracting complex backend data into modular services to accelerate feature delivery by 40%.
- Deployed asynchronous notification systems using RabbitMQ, guaranteeing 99.9% delivery of time-critical appointment reminders and claim status alerts via email and SMS.
- Optimized Oracle Database performance by refining stored procedures and indexing strategies, cutting data retrieval times for audit reporting by over 50%.
- Streamlined CI/CD workflows using Azure DevOps and Docker, automating containerized deployments to ensure consistent environment promotion and zero-downtime releases.

### Software Engineer - IBERIABANK Corporation – Lafayette, LA

*Aug 2021 - Jan 2023*

- Automated loan origination workflows by integrating third-party credit bureau APIs with Java/Spring Boot, reducing mortgage application processing time by 35%.
- Modernized legacy JSP interfaces into a modular React/Redux architecture, improving frontend maintainability and reducing client-side page load times by 40%.
- Engineered secure financial services using JWT and Spring Security, ensuring 100% compliance with banking regulations for sensitive customer account operations.

### Software Engineer - Ochsner Health System, New Orleans, LA

*Jun 2020 - Jul 2021*

- Developed a digital patient intake dashboard using React and Redux, which reduced paper-based registration by 60% across multiple clinic locations.
- Streamlined appointment scheduling by building RESTful APIs with Spring Boot, handling high-concurrency requests between the web portal and Oracle management databases.
- Implemented robust data persistence using Hibernate and JPA, ensuring accurate medical history storage and optimizing retrieval speeds for administrative reporting.

## Education

Master of Science in Computer Science, **University of Missouri-Kansas City**

**GPA: 4/4**

Bachelor of Technology in Computer Science and Engineering, **Vellore Institute of Technology**