

Ravi Palavai

Java Full Stack Developer

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 Ravi

 Portfolio

Full Stack Engineer with 7+ years of experience designing and delivering scalable enterprise and financial applications. Specialized in building secure, cloud-native Java/Spring Boot microservices and dynamic front-end interfaces with React and Angular. Skilled at modernizing legacy systems, improving performance, and driving automation across banking, insurance, and investment domains. Passionate about writing clean, maintainable code that enhances system reliability and user experience while aligning technology solutions with business needs.

WORK EXPERIENCE

Senior Java Full Stack Engineer

Aug 2024 – Present

Jack Henry & Associates

Birmingham, Alabama, USA

- Designed and delivered secure Spring Boot microservices for life insurance and annuity platforms, implementing OAuth2/JWT/LDAP authentication and reducing login-related errors by 30% while supporting 100K+ daily transactions.
- Improved back-end and API performance by refining Hibernate usage and restructuring database interactions in PostgreSQL and MongoDB, cutting query times by 40% across datasets exceeding 1M customer records.
- Built Kafka-based event workflows that strengthened claims, billing, and alerting systems, enabling sub-second notifications and improving fraud-detection response times by 40%.
- Streamlined deployments using Docker, Kubernetes, and Jenkins, moving from biweekly releases to three releases per week and reducing production incidents by 20%.
- Developed internal reporting dashboards and supported Azure Data Factory pipelines, shrinking executive report turnaround from 2 days to 6 hours.
- Collaborated with product, QA, and architecture teams to align features with business needs and ensure smooth delivery across sprints.

Java Full Stack Engineer

Nov 2023 – Jul 2024

Truist Bank

Birmingham, Alabama, USA

- Built and enhanced RESTful services in Java Spring Boot, supporting key banking operations for more than 500K customers across retail and commercial platforms.
- Developed and secured APIs integrating internal systems with external payment gateways, ensuring PCI-DSS compliance and safe data exchange using OAuth2/JWT.
- Improved transactional performance across Oracle and MySQL by optimizing queries and indexing strategies, achieving up to 35% faster processing for account and loan workflows.
- Implemented real-time fraud detection pipelines using Kafka and Apache Spark, reducing detection times from minutes to under 10 seconds.
- Enhanced delivery speed and reliability through GitLab CI/CD, automating builds, tests, and deployments and cutting release cycles from days to hours.
- Streamlined financial and regulatory reporting by integrating Informatica PowerCenter and Tableau, reducing manual effort by 80%.
- Improved system visibility and uptime by configuring proactive monitoring and alerting with Prometheus and Grafana, helping teams identify issues before they impacted users.
- Partnered with product and compliance teams to deliver audit-critical features on time, improving regulatory readiness and overall customer trust.

Software Developer (Java)

Jan 2021 – May 2023

Goldman Sachs (Delphi Software house LLP)

Hyderabad, India

- Built and deployed scalable Spring Boot microservices on AWS Kubernetes for investment and asset-management platforms, supporting reliable trading and portfolio operations.
- Improved performance of high-frequency trading workflows by optimizing Oracle queries and introducing Redis caching, reducing data access latency by 40% while handling millions of trade records daily.
- Developed Kafka and Spark streaming pipelines to process market data in real time, reducing risk report generation from hours to 15 minutes.
- Enhanced system reliability and issue detection by configuring Prometheus/Grafana dashboards and proactive alerting, lowering downtime incidents by 25%.
- Worked with global engineering teams to strengthen API performance, security, and scalability for cross-region, latency-sensitive systems.
- Contributed to Agile planning and delivery cycles, ensuring features met evolving regulatory and trading requirements.

Associate Software Developer (Java)

June 2018 – Dec 2020

HDFC Life Insurance

Mumbai, India

- Developed and optimized backend services using Spring Data and SQL Server, improving claims processing performance for more than 500K policyholders.
- Built CI/CD pipelines with GitLab CI, Docker, and Kubernetes, reducing release cycles from two weeks to five days and improving deployment consistency.
- Implemented Kafka-based event messaging for real-time policy updates, reducing notification delays from minutes to seconds.
- Improved code quality by automating 100+ unit and integration tests using JUnit, TestNG, Mockito, Postman, and Rest Assured.
- Enhanced observability through ELK Stack dashboards and refined Log4j configurations, cutting troubleshooting time by 25%.
- Worked closely with QA and product teams to improve defect triage, strengthen release quality, and support smooth sprint deliveries.

TECHNICAL SKILLS

Languages & Frameworks: Java, Spring Boot, Spring Data, Hibernate, REST APIs, SQL	Messaging & Streaming: Apache Kafka, Apache Spark
Cloud & DevOps: AWS, Azure, Docker, Kubernetes, Jenkins, GitLab CI/CD	Testing & QA: JUnit, TestNG, Mockito, Postman, Rest Assured
Databases: PostgreSQL, Oracle, MySQL, MongoDB, Redis	Monitoring & Logging: Prometheus, Grafana, ELK Stack, Log4j
Tools & Platforms: Git, Maven, Kafka Streams, Kubernetes (EKS/AKS)	Architecture & Design: Microservices Architecture, Event-Driven Systems, Distributed Systems, API Design, System Performance Optimization

EDUCATION

Master of Science, Computer Science – University of Alabama at Birmingham, Birmingham, AL

May 2025

Bachelor of Technology, Computer Science and Engineering – Jawaharlal Nehru Technological University, Hyderabad, India

Sep 2020