

Raviteja Medoju

Software Engineer

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Summary

Software Engineer with 5+ years of experience specializing in Java, Spring Boot, React, and AWS for healthcare and financial applications. Proficient in building scalable, secure microservices and full-stack solutions, optimizing system performance by up to 40%, and automating CI/CD pipelines with Docker, Kubernetes, and Jenkins. Proven ability to deliver high-quality software in Agile environments, improve operational efficiency, and drive data-driven decisions that enhance user experience and business outcomes.

Technical Skills

- **Programming Languages:** Java, Python, JavaScript
- **Frontend Technologies:** HTML, CSS, React.js, Bootstrap, Tailwind CSS
- **Backend Frameworks:** Spring Boot, Node.js
- **Cloud Platforms & Services:** AWS, EC2, S3, Lambda, RDS
- **DevOps & CI/CD Tools:** Docker, Kubernetes, Jenkins, Git, GitHub, GitLab CI/CD
- **API & Integration:** RESTful APIs, GraphQL
- **Databases:** SQL, SQL Server, MySQL, MongoDB
- **Development Methodologies:** Agile, Scrum

Professional Experience

US Anesthesia Partners.

July 2025 – Present

Software Engineer

Technologies: Java, Spring Boot, RESTful APIs, React.js, AWS, EC2, S3, RDS, Docker, Kubernetes, Jenkins, GitHub, GitLab CI/CD, SQL, Postman, HL7, FHIR

- Architected HIPAA-compliant microservices to support perioperative patient data, billing, and provider workflows, improving clinical data processing efficiency by 30%.
- Developed secure RESTful APIs for scheduling, claims integration, and patient-facing platforms using Java and Spring Boot, enhancing system interoperability and data accuracy.
- Resolved performance bottlenecks in high-volume patient data pipelines by optimizing database queries and service orchestration, reducing API response times by 35%.
- Collaborated with clinicians, product managers, and QA teams across a 10-member Agile team, accelerating feature delivery while maintaining compliance and production stability.
- Implemented CI/CD pipelines and containerized deployments using Docker, Kubernetes, Jenkins, and AWS, reducing deployment errors by 40% and improving release reliability.

M&T Bank.

May 2024 – Aug 2024

Software Engineer

Technologies: Java, Spring Boot, Microservices, Agile, SDLC, Multithreading, Kafka, JavaScript, React JS, CI/CD, Git, GitHub

- Developed secure Java microservices using Spring Boot, Spring MVC, and REST APIs for loan processing, credit approvals reducing transaction latency by 35%.
- Assisted in requirement analysis, design, development, and testing of Agile/Scrum-based applications across the full Software Development Life Cycle (SDLC).
- Improved financial data accuracy and synchronization by 30% by optimizing data integration workflows using Kafka, Spring Batch, MongoDB, and SQL Server.
- Managed version control and collaborative development using GIT, GitHub, and GitLab with branching strategies.
- Automated CI/CD pipelines using Jenkins to streamline builds, testing, and deployments for Java applications, improving release efficiency and reliability.

IBM, Inc.

December 2021 – July 2023

Software Engineer

Technologies: Java, J2EE, JSP, Spring Boot, Spring MVC, React, Next.js, HTML, CSS, Bootstrap, AWS, Kubernetes, CI/CD, Apache Kafka, Caching, Multithreading, Database Indexing

- Engineered strong Java-based microservices using Spring Boot and J2EE, enhancing system reliability and boosting processing throughput by 30%.
- Crafted responsive front-end solutions using React, Next.js, HTML, CSS, and Bootstrap, improving user engagement and portal adoption across banking modules.
- Optimized backend performance bottlenecks through caching, multithreading, and database indexing, reducing API response times for critical operations by 25%.
- Cooperated with product managers, QA, and cross-functional teams in a 12-member Agile environment, streamlining feature delivery and maintaining application reliability.
- Executed containerized applications and automated pipelines with Docker, Kubernetes, Jenkins, and AWS, improving release efficiency by 40%.

Optum Inc.

June 2019 – November 2021

Associate Software Engineer

Technologies: Java, Spring Boot, React JS, HTML5, CSS3, Bootstrap, AWS Lambda, Docker, Kubernetes, RESTful APIs

- Architected scalable Java-based solutions for clinical and administrative healthcare platforms, reducing system deployment time across many facilities by 30%.
- Designed containerized Spring Boot microservices for syndicated lending and healthcare applications, improving API throughput.
- Implemented full-stack workflows using React JS and Java, integrating front-end and back-end features to boost application usability and operational efficiency.
- Collaborated with cross-functional teams including QA, product managers, and developers across 8+ projects, ensuring timely delivery and platform stability.
- Automated serverless functions and workflows leveraging AWS Lambda, improving deployment speed and reducing manual intervention by 25%.

Education

Master of Science in Information Systems Technology

August 2023 – March 2025

Wilmington University | CGPA 3.85/4

Certifications

- Completed Java and Design Patterns – IBM.
- Earned Meta Front-End Development Certification.
- Achieved AWS Certified Solutions Architect – Associate.