Sai Kumar Reddy Kodidi
Java Full Stack Developer

Location: Texas, USA | **Mail:** kodidisaikumarreddy7ttv@gmail.com | **Ph.:** (940) 373-1778 | **LinkedIn**

PROFESSIONAL SUMMARY:

- Java Full Stack Developer with 4+ years of experience, specializing in architecting, developing and deploying high-performance, secure and scalable applications across fintech and healthcare sectors.
- Proficient in Java 17, Spring Boot 3.x, React.js 18, Redux Toolkit, Next.js and Tailwind CSS.
- Expert in designing and deploying modular microservices with Hibernate and JPA, implementing event-driven architectures using Kafka Streams and RabbitMQ and orchestrating production-grade cloud deployments on AWS EKS and Azure via Docker, Helm and Terraform (IaC).
- Drove significant improvements by establishing comprehensive BDD test automation frameworks (Cucumber, JUnit, WireMock, Cypress), resulting in a 42% reduction in production defects and achieving service availability.
- Adept at optimizing data persistence with PostgreSQL, MongoDB, Redis and Oracle 12c, while ensuring stringent PCI DSS and HIPAA compliance through robust security protocols including AES-256 encryption, tokenization, Spring Security and OAuth 2.0.
- Skilled in building resilient CI/CD pipelines with GitHub Actions and Jenkins and processing complex domain-specific messaging protocols like FIX, ISO 20022, EDI 837/835, FHIR and HL7 for real-time data exchange.

TECHNICAL SKILLS:

Programming Languages:	Java 17, JavaScript (ES6+), TypeScript, SQL, PL/SQL
Frontend Technologies:	React.js 18, Redux Toolkit, Next.js, Tailwind CSS, HTML5, CSS3, Axios, Cypress ,
Backend Frameworks:	Spring Boot 3.x, Spring MVC, Spring Security, Hibernate, JPA, Apache Camel, Drools Rule Engine
API Development:	RESTful APIs, GraphQL (basic exposure), HAPI FHIR, HL7, FIX Protocol, ISO 20022, OAuth 2.0, JWT
Messaging & Event-Driven:	Apache Kafka, Kafka Streams, RabbitMQ
Database Technologies:	PostgreSQL, Oracle 12c, MongoDB, Redis
DevOps & CI/CD:	Jenkins, GitHub Actions, Git, GitHub, Liquibase, Maven, Docker, Helm, Kubernetes (AWS EKS), Terraform
Cloud & Infrastructure:	AWS (EKS, S3, IAM, CloudWatch), Microsoft Azure, Infrastructure as Code (IaC), PCI DSS Security Compliance, Azure DevOps (basic)
Security & Compliance:	AES-256 Encryption, HTTPS/TLS, OAuth 2.0, RBAC, Tokenization, Data Masking, HIPAA Compliance, PCI DSS Compliance
Testing & Quality Assurance:	JUnit 5, Cucumber (BDD), Cypress (UI Testing), WireMock (Service Mocking), Postman, Swagger
Healthcare Standards:	EDI 837/835, HL7 ADT/ORU, FHIR, NCPDP SCRIPT, Epic & Cerner Integration
Version Control/ Monitoring:	Git, GitHub, GitHub Actions, CloudWatch, Centralized Audit Logging
Data Exchange & Interop:	FIX Protocol, ISO 20022, FHIR APIs, HL7 Messages, EDI X12
SDLC Methodologies:	Agile, Scrum, DevOps, Continuous Integration/Deployment, Sprint Planning, Risk Assessment, SWOT Analysis
Tools & Platforms:	IntelliJ IDEA, Eclipse, Postman, Swagger UI, VS Code, Jira, Confluence, MS Visio
Analytics & Performance:	SQL Optimization, Advanced JPA Queries, Indexing Strategies, Real-Time Trade Dashboards, Healthcare Data Analytics

PROESSIONAL EXPERIENCE:

JPMorgan Chase – TX | July 2024 – Present
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- Reduced production defects by 42% by establishing comprehensive BDD test automation frameworks using Cucumber, JUnit, WireMock for service mocking & Cypress for end-to-end UI regression testing across financial workflows.
- Deployed modular microservices using Java 17, Spring Boot 3.x, Hibernate and JPA, seamlessly integrating with PostgreSQL for transactional data and MongoDB for unstructured customer analytics in fintech payment systems.
- Developed high-performance trading dashboards using React.js 18, Redux Toolkit, Next.js and Tailwind CSS, integrating Axios for REST API calls with secure token-based authentication for real-time trade visibility.
- Implemented event-driven architecture with Kafka Streams and RabbitMQ, enabling low-latency processing of FX rate feeds and high-volume equities order book updates with guaranteed message delivery and error handling.
- Containerized microservices using Docker, managed with Helm charts and orchestrated production-grade deployments on AWS EKS, achieving near-zero downtime and 99.99% service availability.

- Automated cloud infrastructure provisioning using Terraform on Azure, incorporating best practices in Infrastructure as Code (IaC), while supporting robust CI/CD pipelines via GitHub Actions and Jenkins for faster releases.
- Maintained PCI DSS compliance by enforcing strict security policies including AES-256 data encryption, HTTPS/TLS transport security, tokenization and centralized audit logging across all critical financial services.
- Versioned schema migrations using Liquibase, integrated with CI/CD to enable traceable changes and safe automated rollbacks during deployment failures, ensuring database consistency across environments.
- Conducted SWOT and risk impact assessments to proactively mitigate fintech-specific challenges related to latency, throughput, security breaches and cross-system reconciliation discrepancies.
- Processed real-time financial messaging systems using FIX protocol and ISO 20022, ensuring accurate trade lifecycle management and compliance in capital markets, including execution, confirmation and settlement flows.

Cognizant – India | May 2020 - June 2023
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- Streamlined claims processing by 40% through designing and implementing optimized EDI 837/835 transaction workflows, leveraging Spring Boot and Apache Camel for seamless integration with payer systems.
- Boosted patient data retrieval efficiency by 35% by integrating Redis caching and fine-tuning JPA queries with Hibernate, ensuring high-performance access to EHR data in PostgreSQL databases.
- Ensured 100% HIPAA compliance by architecting secure data handling mechanisms, including data masking, encryption and role-based access control (RBAC) using Spring Security and OAuth 2.0.
- Developed and deployed RESTful APIs with Spring Boot to enable interoperability between Epic and Cerner EHR systems, enhancing clinical data sharing for improved patient care coordination.
- Engineered FHIR-compliant interfaces using HAPI FHIR library to facilitate standardized clinical data exchange, supporting seamless integration with third-party healthcare systems.
- Crafted responsive, user-friendly UI components for claims and patient dashboards using React.js, Redux Toolkit and Tailwind CSS, improving user experience for healthcare professionals.
- Built robust HL7 message parsers to process ADT (Admit, Discharge, Transfer) and ORU (Observation Result) messages, ensuring accurate handling of patient admissions and lab results data.
- Optimized data persistence and retrieval operations using Hibernate and JPA, implementing advanced query optimization techniques in PostgreSQL to support high-volume healthcare applications.
- Designed and implemented e-Prescribing modules adhering to NCPDP SCRIPT standards, enabling secure and efficient medication management workflows integrated with pharmacy systems.
- Developed clinical decision support systems using Drools rule engine to identify and flag high-risk patient conditions, enhancing clinical outcomes through real-time alerts.
- Integrated MongoDB for efficient storage and retrieval of unstructured clinical notes and leveraged Redis for high-performance session management in patient portal applications.
- Enhanced report generation performance by 30% through optimizing SQL queries and creating efficient indexes in Oracle 12c, supporting data-driven decision-making for healthcare providers.

EDUCATION:

Master of Computer Science - University of North Texas, Denton, Texas, USA
Bachelor of Electronics and Communication Engineering - Sastra Deemed to be University, Tanjore, Tamil Nadu, India

CERTIFICATION:

Certified AWS (Amazon Web Service) - Amazon
Certified (Full Stack Web Development) - Udemy