

UPENDER REDDY RATNAM

Jacksonville, FL

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INTEGRATION ARCHITECT

Senior Integration Specialist with 20+ years of experience building mission-critical platforms. Expert in IBM IIB/ACE, IBM Sterling B2B (EDI), and ITX (WTX), with a proven track record of modernizing legacy systems into high-availability, cloud-native architectures. Specialized in secure data transformation, EDI mapping, and API lifecycle management, ensuring accuracy in large-scale transaction processing. Committed to maintaining data integrity and regulatory compliance across complex distributed systems.

TECHNOLOGY STACK

Integration & ESB: IBM ACE/IIB, WTX/ITX, IBM MQ, Kafka, TIBCO

EDI & B2B : IBM Sterling B2B Integrator, EDI-to-JSON/XML, MFT, Axway

Cloud & DevOps: AWS, Azure, Terraform, Ansible, Apache Maven, CI/CD

Observability: Elastic Stack (ELK), DataDog

Languages & Databases: Java/JEE, Python, SQL, Oracle, DB2, MSSQL, Data tables, jQuery

Frameworks: Spring Boot, Angular, bootstrap, hibernate, Quarkus

API & Security: Rest/SOAP, IBM DataPower, Apigee, API Connect, OAuth, Encryption

Management/tracking tools: Jira, Confluence Wiki, Bitbucket, GitHub (with built-in copilot)

Platforms & Standards/Rules: Linux, UNIX, AIX, Windows, docker, HIPAA, FHIR, HL7

PROFESSIONAL EXPERIENCE

CSX Technology - Jacksonville, FL

Middleware & Integration Specialist | 2018 - Present

- **ESB Modernization:** Led the migration from IBM IIB to ACE, successfully converted 100+ complex integration flows.
- **EDI Automation:** Designed and automated IBM Sterling B2B/EDI deployments using Terraform and Ansible, ensuring high-integrity data flows and reducing environment build time.
- **Secure API Development:** Developed secure RESTful and SOAP APIs using Java and ACE to facilitate real-time data exchange across hybrid environments.
- **Legacy Transformation:** Modernized legacy Mainframe+DB2 integrations into Java+Oracle systems, focusing on data parsing, validation, and routing.

Florida Blue – Jacksonville, FL

Integration Specialist | 2018

- Designed and maintained ITX maps for high-volume healthcare transactions, specifically 837 (Claims), 834 (Enrollment), and 835 (Remittance Advice).
- Implemented SNIP Level 1-7 validation within ITX to ensure all inbound and outbound files meet strict HIPAA 5010 compliance standards before hitting core adjudication systems.
- Built complex transformations to convert legacy EDI formats into JSON or XML for consumption by modern web-based member portals.
- Developed ACE/IIB message flows to orchestrate real-time member eligibility checks (270/271 transactions) between provider portals and internal databases.
- Utilized IBM MQ and Kafka to build asynchronous, event-driven patterns for processing large batches of claims data during open enrollment periods.

Bank of America Merrill Lynch – Pennington, NJ / Jacksonville, FL

AVP, Programmer Consultant | 2006 - 2018

- **Mission-Critical Routing:** Managed the GTCS Router, an enterprise-level message routing and transformation platform, ensuring the stability of high-stakes trading platforms.
- **Data Integrity:** Conducted rigorous architecture reviews and performance testing to maintain strict data compliance and production stability.

Earlier Career (2000 - 2006)

Senior Developer / Integration Engineer - GM, TRW Automotive, Government of Andhra Pradesh, Danlaw

- Built Java, WebSphere, and integration platforms for government and automotive clients.
- Developed Government-to-Citizen portals, ECU data platforms, supply-chain tracking systems, and reporting solutions.

EDUCATION

- MBA, Jacksonville University
- Master of Computer Applications (MCA), Osmania University

CERTIFICATIONS

- Sun Certified Java Programmer
- System Administrator in IBM WebSphere Application Server