

Venkatesh Puramsetty



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Professional Summary

- Integration Developer with **4+ years of experience** specializing in **Boomi AtomSphere** for designing, building, deploying, and maintaining cloud and hybrid integration solutions.
- Hands-on expertise in **Boomi Process Design, Integration Pack Development, and Boomi Atom/Molecule installation and configuration** across multiple environments (DEV/QA/PROD).
- Proficient in implementing a wide range of **integration patterns**, including **application-to-application (A2A), business-to-business (B2B/EDI), data synchronization, event-driven, and real-time API integrations**.
- Strong command of **API Management** using Boomi API components (REST/SOAP), including **API Gateway policies, versioning, and security enforcement (OAuth 2.0, API Key)**.
- Experienced in **SAP-Boomi** integration using BAPIs, IDocs, and RFCs for seamless data flow across enterprise applications.
- Expertise in **EDI integrations**, handling **X12 transactions** (850, 855, 810, 856, 940, 945, etc.) and using communication protocols like **AS2, SFTP, VAN, FTP/S, and HTTP/S**.
- Integrated **MDH** with core systems via Boomi AtomSphere processes to enable **real-time and batch master data synchronization**.
- Combined **Boomi Flow and MDH** to implement approval-driven change management processes, triggering automated downstream data propagation.
- Proficient in working with structured and semi-structured data formats including **XML, JSON, CSV, Flat Files, and relational databases (SQL)**.
- Skilled in **Boomi Maps, Process Routing, Decision Shapes, Business Rules, and Error Handling** for efficient and fault-tolerant integration flows.
- Experience with **Document Caching, Process Reporting, Environment Extensions, and Process Properties** for optimized and maintainable solutions.
- Solid understanding of **CI/CD pipelines** using **GitHub Actions, Bitbucket, and Boomi Deployment APIs** for automated build and deployment processes.
- Knowledge of **containerization tools (Docker)** and deploying Boomi runtime engines in **Kubernetes** environments for scalability and resilience.
- Familiar with **Message Queuing (MQ)** systems (e.g., JMS, RabbitMQ, Azure Service Bus) and **event-driven architecture** to support asynchronous processing.
- Strong background in **Java**, scripting (Groovy, JavaScript), and **custom connectors/components** to extend Boomi functionality.
- Experienced in **Agile/Scrum** environments using **JIRA for sprint planning, backlog grooming, and issue tracking**.
- Committed to delivering high-performance, low-latency integrations that drive business agility and digital transformation.

Technical Skills

- **Boomi Expertise:** Boomi AtomSphere, Boomi Flow, Boomi Master Data Hub, EDI Integrations, SAP-Boomi Integration, API Management, Connector SDK, Custom Scripting, Deployment & Environment Management
- **Integration Patterns & Protocols:** Application-to-Application (A2A), Business-to-Business (B2B/EDI), Real-time & Batch Integration, Event-Driven Architecture, Message Queuing (JMS, RabbitMQ), API-led Integration, Webhooks, Pub/Sub, SFTP, AS2, VAN, HTTP/S
- **Platforms & Applications:** Workday, CMiC, NetSuite, Salesforce, DocuSign, Active Directory, Cosential, ServiceNow

- **Cloud & DevOps:** AWS (EC2, S3, Lambda), Azure, Kubernetes, Docker, GitHub Actions, Jenkins, Bitbucket, CI/CD Pipeline Automation, Boomi Deployment APIs
- **API Development & Web Services:** REST, SOAP, OpenAPI/Swagger, JSON, XML, API Gateway Policies, OAuth 2.0, API Key-based Auth
- **Data & Transformation:** X12 EDI (850, 855, 810, 856, 940, 945), EDIFACT, Flat Files, XML, JSON, CSV, SQL, Relational Databases, Boomi Data Mapping, Functions, Business Rules
- **Scripting & Programming:** Java, JavaScript, Groovy, Python, Node.js, C#, Custom Scripting in Boomi Processes
- **Testing & Monitoring:** Unit, Integration, Functional & Regression Testing, Postman, Boomi Process Reporting, Alerts & Error Handling, Log Analysis
- **Process & Platform Administration:** Boomi Atom/Molecule Management, Process Scheduling, Deployment Management, Environment Extensions, Secure Data Handling, Error & Exception Management
- **Development Methodologies:** Agile/Scrum, JIRA, Confluence, Git-based Version Control, DevOps Collaboration

Professional Experience

Sr Boomi Developer & Integration Specialist

BCBS – Richardson, TX

May 2023 – Present

- Architected and implemented end-to-end integration solutions using **Boomi AtomSphere**, connecting enterprise platforms including **Salesforce, Workday, CMiC, and NetSuite**.
- Led **legacy system migrations** to Boomi, optimizing integration performance and enabling real-time and batch data processing across business-critical systems.
- Built and managed **custom APIs** (REST/SOAP) and **Boomi connectors** to streamline data exchange between cloud and on-prem applications.
- Designed and configured **Boomi integration processes** with advanced components including **decision shapes, error handling, retry logic, and dynamic document property routing**.
- Developed robust **EDI integrations** using **AS2, SFTP, VAN, and HTTPS**, supporting **X12 transactions** (850, 855, 810, 856, etc.) and ensuring secure and compliant data transmission with trading partners.
- Created **Boomi Maps** and leveraged **custom scripting (JavaScript/Groovy)** for complex data transformations involving **XML, JSON, CSV, Flat Files, and X12 EDI**.
- Designed and implemented **Boomi Master Data Hub (MDH)** solutions to centralize and synchronize master data across systems like Salesforce, Oracle Fusion, and internal applications.
- Integrated **SAP** with Boomi by exposing and consuming APIs and IDocs, setting up an **API Gateway** layer to enable secure and efficient data orchestration across enterprise systems.
- Optimized **Microsoft SQL Server** integration with Boomi by writing **complex stored procedures, views, and SQL queries** to manage high-volume transactional data.
- Used **Postman** extensively for **API testing**, validation, and regression checks, ensuring compatibility and performance across interconnected systems.
- Administered the **Boomi runtime environment**, including Atom/Molecule setup, **environment extensions, process deployments, user access control, and security configurations**.
- Implemented **secure communication protocols** (SFTP, AS2, HTTPS) across all integration layers to ensure data integrity and compliance.
- Collaborated closely with **business analysts, QA teams, and technical stakeholders** to translate functional requirements into scalable, reusable integration designs.
- Proactively troubleshoot **production issues**, identified root causes, and implemented fixes to maintain system uptime and integration reliability.
- Maintained clear and detailed documentation of Boomi processes using **Boomi Scribe**, ensuring traceability, maintainability, and onboarding efficiency.
- Collaborated with stakeholders and **QA teams** using **JIRA** to manage sprint tasks, bugs, and integration issues.
- Executed **unit, functional, integration, and regression testing**, and participated in **QA cycles** to deliver error-free integration deployments in Agile sprints.

Software Developer

Matrix Technologies– Hyderabad, Telangana

May 2019 – Dec 2021

- Developed and maintained **Boomi integrations** to connect banking applications and third-party platforms, ensuring secure and efficient data flow across systems.
- Created **REST and SOAP-based API integrations** for real-time communication between internal systems and external financial services providers.
- Implemented **reusable process templates, dynamic document properties, and shared process libraries** to accelerate integration delivery and maintain consistency across use cases.
- Built **Boomi process flows** with advanced logic including branching, exception handling, and conditional routing for transaction-based workflows.
- Designed and executed **data transformation maps** involving **JSON, XML, Flat Files, and SQL**, ensuring accuracy and format compliance for downstream systems.
- Utilized **Boomi AtomSphere** features such as **environment extensions, process versioning, and deployment automation** to manage Dev/QA/Prod environments.
- Integrated with internal systems via **SFTP, HTTPS, and database connectors**, enabling secure batch and near real-time transactions.
- Conducted **unit testing** and worked closely with QA for integration and regression testing using **Postman** and custom test cases.
- Monitored and resolved integration failures, performed **log analysis**, and fine-tuned performance for high-throughput processes.
- Worked with **JIRA** to track development tasks and coordinate testing efforts with **QA**.
- Collaborated with business teams and architects to gather requirements, translate them into technical specs, and deliver scalable Boomi solutions under strict timelines.

Education

Master of Science in Engineering, Oklahoma Christian University, Oklahoma, Jan 2022 – April 2023

Bachelor of Science in Mechanical Engineering, KL University, Guntur, 2015 – 2019

Additional Information

- Excellent communication and collaboration skills.
- Experience working in Agile and DevOps environments.
- Strong technical understanding of API integrations, microservices, and cloud infrastructure.

Certifications

- Boomi Associate Integration Developer
- Boomi Professional Integration Developer
- Boomi Professional API Design
- Associate EDI for X12 Certification