

# Salesforce MuleSoft Developer Program

From Scratch to Advanced — Industry Level Training

**Trainer: D Charan Jeet**

Certified Salesforce MuleSoft Developer

Currently working at **Cognizant**

Billable Project: **Levi's**

**Duration: 2 Months Intensive Program**

Build your integration career with hands-on industry experience

## About MuleSoft

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MuleSoft is the world's leading integration platform that connects applications, data, and devices across on-premises and cloud environments. As organizations accelerate digital transformation, the demand for skilled MuleSoft developers has skyrocketed.

### Why MuleSoft?

- **High Demand:** MuleSoft skills are among the most sought-after in enterprise IT
- **Competitive Salaries:** Integration specialists command premium compensation
- **Future-Proof Career:** API-led connectivity is the backbone of modern digital enterprises
- **Versatile Technology:** Used across industries — retail, finance, healthcare, manufacturing
- **Salesforce Ecosystem:** Direct integration with the world's #1 CRM platform

### Career Opportunities:

- MuleSoft Developer
- Integration Architect
- API Designer
- Solution Consultant
- Platform Engineer

## Course Highlights

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This program is designed to simulate real-world industry environments, preparing you not just technically but professionally.

### What Makes This Training Unique

- **Comprehensive Study Materials:** Detailed notes and resources provided throughout the course
- **Weekly MNC Senior Interviews:** Real interview practice with experienced professionals from top companies
- **Weekly Debates & Assessments:** Sharpen problem-solving and communication skills through technical debates
- **Hackathons:** Competitive coding challenges to build speed and creativity
- **Collaborative Learning:** Group projects and team challenges mirror real project environments
- **Industry Simulation:** Work on scenarios drawn from actual enterprise projects
- **Holistic Development:** Technical skills + soft skills + interview readiness
- **Hands-On Practice:** Every concept backed by practical implementation

## Complete Course Syllabus

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### Module 1: Foundations & Environment Setup

- Introduction to MuleSoft ESB and API-Led Connectivity approach
- System, Process, and Experience APIs architecture
- Installing Anypoint Studio, Postman, and MySQL
- Anypoint Platform registration and overview
- Building your first Mule application and REST service
- Project import/export procedures

### Module 2: Mule Events & Core Message Routing

- Understanding Mule 4 Event structure
- Working with Payload, Attributes, and Variables
- Extracting data from JSON, XML, Headers, Query Params, and URI Params
- Variable creation, extraction, and lifecycle management
- Flows vs. Sub-flows vs. Private flows
- Debugging techniques and troubleshooting

### Module 3: DataWeave & Advanced Transformations

- DataWeave 2.0 fundamentals and Transform Message component
- Converting between JSON and XML formats
- Data types, type coercion, and Date handling
- Built-in functions: now(), sizeOf(), typeOf(), pattern matching
- Operators: Mathematical, relational, control statements
- Advanced array/object operations: map, filter, flatten, groupBy, reduce

### Module 4: Connectivity & Connector Operations

- **Database Integration:** POST operations, Insert, Update, Delete with dynamic queries
- Connection pooling and stored procedure execution
- **Messaging:** ActiveMQ and IBM MQ setup, JMS queues and topics
- **Salesforce Integration:** CRUD operations, streaming, platform events
- Salesforce Bulk API v2 implementation
- File and SFTP operations with cron scheduling

## Module 5: Error Handling & Validations

- Mule validation components (Blank, Null, IsTrue)
- JSON and XML schema validations
- On-Error-Continue vs. On-Error-Propagate strategies
- Global vs. local error handlers
- Error mapping and custom exception handling
- Try blocks for targeted error management

## Module 6: API Management & API-Led Connectivity

- API design using RAML and OpenAPI Specification (OAS)
- Working with fragments, traits, and security schemes
- Publishing and documenting APIs on Anypoint Exchange
- API Manager setup and Auto-Discovery configuration
- Environment promotion strategies
- Security policies: Client ID enforcement, Rate Limiting, OAuth 2.0, IP filtering

## Module 7: Advanced Scopes & Processing Models

- Sequential vs. parallel event processing
- Scatter-Gather for parallel routing and aggregation
- Batch processing with multi-phase record handling
- Async scope for time-consuming operations
- Foreach loops: standard and parallel execution
- Cache scopes and Object Store for optimization
- Watermarking techniques

## Module 8: MUnit Testing & CI/CD

- MUnit testing framework and assertion types
- Mocking payloads and attributes using DataWeave
- Maven dependency management and Nexus repositories
- Deployment via Maven plugins with environment profiles
- Version control with GitHub (Git Bash and GUI)
- Jenkins pipeline setup: declarative and scripted
- Externalizing runtime properties in CI/CD

## Module 9: Deployment & Runtime Operations

- CloudHub 1.0 vs. 2.0 deployment models
- Hybrid and on-premise server configurations
- Managing secure properties and environment-specific configurations
- Scaling strategies: vCores, workers, vertical vs. horizontal scaling
- Monitoring dashboards, insights, and alerts
- Log level management (verbose/debug modes)

## Assessment Structure

Regular evaluation ensures steady progress and interview readiness.

Assessment	Coverage
Assessment 1	Modules 1, 2, 3 – Foundations, Events, DataWeave
Assessment 2	Modules 4, 5, 6 – Connectivity, Error Handling, API Management
Assessment 3	Modules 7, 8, 9 – Advanced Scopes, Testing, Deployment
<b>Final Assessment</b>	<b>Comprehensive – All Modules</b>

Each assessment includes:

- Theoretical understanding evaluation
- Practical coding challenges
- Scenario-based problem solving
- Time-bound execution (simulating real interviews)

## Learning Environment

### Learn Like You're Already in the Industry

#### Collaboration & Teamwork

Real projects are never solo. You'll work in teams, contribute to group challenges, and learn the art of technical collaboration — code reviews, pair programming, and knowledge sharing.

#### Interview Readiness

Weekly mock interviews conducted by MNC seniors simulate actual hiring processes. You'll learn how to:

- Articulate technical concepts clearly
- Solve problems under pressure
- Handle behavioral and situational questions
- Present your projects confidently

#### Peer Learning

Debates, discussions, and group matches create a competitive yet supportive environment. Explaining concepts to peers reinforces your own understanding.

#### Industry Simulation

The course structure mirrors actual project lifecycles — from requirement analysis to deployment and monitoring. You'll experience the full software development lifecycle.



## Course Pricing

Category	Fee
Working Professionals	Rs. 1,299
Engineering Students / 12th Passed	Rs. 499
12th Students (Current)	<b>FREE</b> (Limited Seats)

### Investment in Your Future

This is not just a course — it's career acceleration. The skills you gain here are valued at premium rates in the job market. With experienced mentorship, hands-on projects, and interview preparation, you're investing in a high-ROI learning experience.

### What's Included:

- Complete course materials and notes
- Access to all assessments and hackathons
- Weekly interview sessions
- Group project participation
- Mentor support throughout the program
- Certificate upon completion

## Ready to Start Your MuleSoft Journey?

### Join the Next Batch

Learn from a certified professional currently working on live enterprise projects.

Build real skills. Solve real problems. Launch a real career.

### Why Choose This Program?

- **Industry Expert Trainer:** Learn from someone actively working on MuleSoft in production environments at a top MNC
- **Real-World Context:** Insights from current Levi's project implementation
- **Comprehensive Coverage:** From basics to advanced deployment strategies
- **Practical Focus:** Theory backed by extensive hands-on practice
- **Career Support:** Interview preparation integrated into the curriculum
- **Affordable:** Premium training at accessible pricing

### Contact for Enrollment

Limited seats available for personalized attention

Start your transformation today!

*Your MuleSoft career starts here.*