



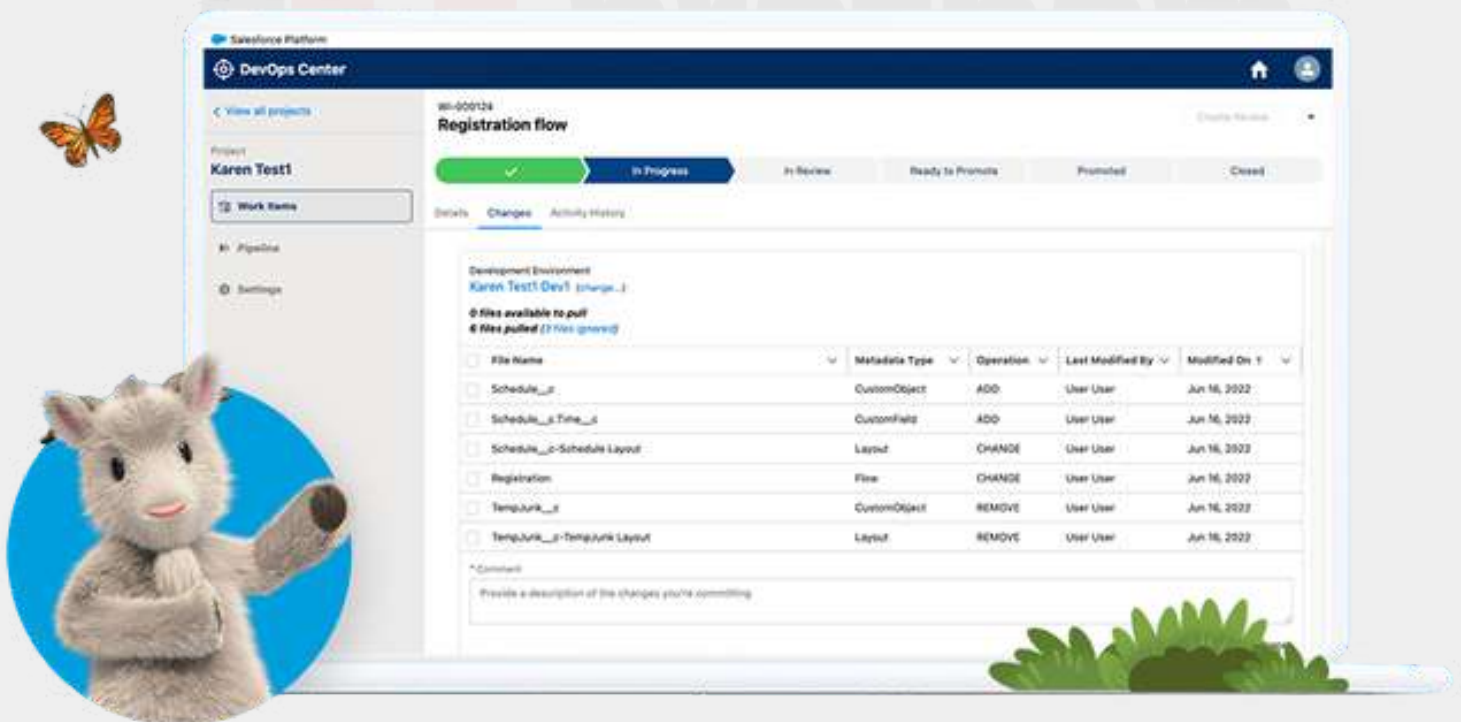
**tech
pratham**
Technology First

SALESFORCE DEVOPS ENGINEERING

TRAINING PROGRAM

SALESFORCE DEVOPS

Salesforce DevOps Engineering is the practice of automating and managing the development, testing, deployment, and release of Salesforce applications using modern DevOps principles. It helps development teams deliver new features faster, reduce deployment errors, improve collaboration, and maintain high-quality Salesforce environments.



CAREER OPPORTUNITY

**Salesforce
DevOps
Engineer**

**Salesforce
Release
Manager**

**Salesforce
DevOps
Consultant**

**Salesforce
Platform
Developer**

**Salesforce
Technical
Architect**

**Salesforce
Solution
Architect**

**Salesforce
CI/CD
Engineer**

**Salesforce
Release
Engineer**

**Salesforce
Configuration
Manager**

**Salesforce
Quality
Assurance
(QA) Engineer**

**Salesforce
Automation
Test Engineer**

**Salesforce
Environment
Manager**

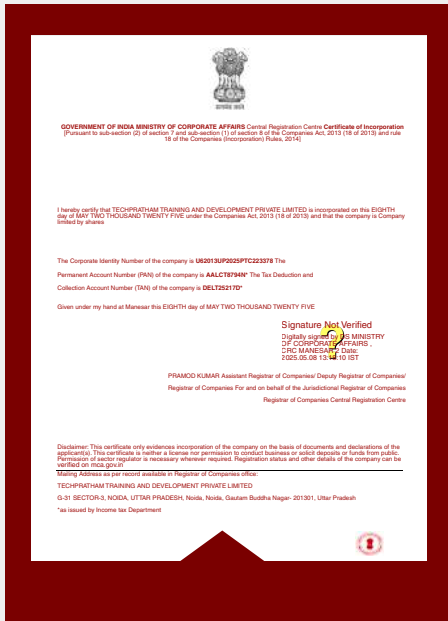
**Salesforce
SCM (Source
Control)
Engineer**

**Salesforce
Cloud
Engineer**

**Salesforce Site
Reliability
Engineer (SRE)**

**Salesforce
DevOps
Lead /
Manager**

WE ARE AFFILIATED WITH DIFFERENT PARTNERS



ABOUT US

At **TechPratham**, we are committed to empowering careers through industry focused, practical training across multiple sectors. Our programs are carefully designed to make you job ready through hands-on learning, real time projects, and expert mentorship.

Learners benefit from extended platform access, 24/7 support, recorded sessions, and a truly hassle free learning experience. All our trainings are delivered by seasoned industry professionals with over a decade of real world expertise, ensuring deep insights and practical exposure. Backed by a dedicated placement team offering 100% job support, we continue to guide you until you achieve your ideal career milestone. With specialized departments and round-the-clock assistance, **TechPratham** stands as your trusted partner for skill excellence and career growth across diverse industries.



TOP SKILLS & TOOLS



OUR PLACEMENT PROCESS

**Resume
Building**

Placement

Interview Preparation
(Mock, PD, Alumni Session)

**Project Testing &
Deployment**

**Daily Assignment &
Weekly Assessments**

**Live Class with
Industry Use Cases**

SALESFORCE DEVOPS ENGINEERING

MODULE 1: SALESFORCE DEVOPS FUNDAMENTALS

- Introduction to DevOps
- DevOps vs Traditional Development
- Salesforce Development Lifecycle (SDLC)
- Agile & Scrum Methodolog
- CI/CD Concepts
- Source-Driven Development
- Salesforce Release Management
- Change Management Process
- Environment Strategy
- DevOps Best Practices

MODULE 2: Salesforce DX (SFDX)

- Salesforce DX Architecture
- Salesforce CLI (sf CLI)

- VS Code Setup
- Authentication Methods
- Scratch Orgs
- Dev Hubs
- Org Shape
- Source Tracking
- Project Structure
- Metadata vs Source Format
- Package.xml
- Deploy & Retrieve Metadata
- Data Import/Export
- Org Management

Module 3: Git & Version Control

- Git Fundamentals
- Git Installation
- GitHub
- Azure Repos
- Bitbucket
- GitLab
- Repository Management
- Branching Strategies

- Git Flow
- Feature Branch Workflow
- Pull Requests
- Merge Strategies
- Conflict Resolution
- Cherry Pick
- Rebase
- Tags & Releases

Module 4: Salesforce DevOps Center

Introduction

- DevOps Center Architecture
- Project Setup
- Pipeline Configuration
- Environment Mapping
- Git Integration
- Work Items
- Branch Creation
- Promotion Process
- Deployment Pipeline
- Release Management
- Conflict Resolution

- Validation Deployments
- Rollback Strategy
- Best Practices

Hands-on Labs

- Configure DevOps Center
- Git Integration
- Multi-Environment Deployment
- Production Deployment

Module 5: Copado

Copado Fundamentals

- Copado Architecture
- Copado Components
- User Stories
- Promotion Model
- Git Integration
- Pipeline Configuration
- Environment Setup
- Branching
- Automated Validation

- Merge Management
- Static Code Analysis
- Compliance
- Quality Gates
- Rollback
- Release Management

Advanced Copado

- Copado Robotic Testing
- Compliance Hub
- Backup & Restore
- AI Features
- Multi-Org Deployments
- Enterprise Release Strategy

Project

- End-to-End Copado Pipeline

Module 6: Gearset

Gearset Administration

- Introduction to Gearset
- Connecting Salesforce Orgs
- Git Integration
- Metadata Comparison
- Deployment Automation
- CI Jobs
- Scheduled Deployments
- Rollback Backup
- Monitoring
- Data Deployment
- Environment Comparison
- Compliance
- Security

Advanced Gearset

- Delta Deployments
- Deployment Filters

- Automated Validation
- Multi-Org Strategy
- Enterprise Release Management

Project

- Automated CI/CD Pipeline using Gearset

Module 7: AutoRABIT

AutoRABIT Fundamentals

- AutoRABIT Architecture
- ARM (Release Management)
- CodeScan Integration
- Metadata Management
- Version Control
- Pipeline Configuration
- Branch Management
- CI/CD Automation
- Merge Management
- Deployment Automation
- Backup & Recovery
- Compliance

Advanced AutoRABIT

- Vault
- CodeScan
- AutoRABIT Backup
- Multi-Environment Deployment
- Rollback Automation
- Enterprise DevOps Project

Project

- End-to-End Enterprise Deployment using AutoRABIT

Module 8: Azure DevOps

Azure Boards

- User Stories
- Epics
- Tasks
- Sprint Planning

Azure Pipelines

- Build Pipelines
- Release Pipelines
- YAML Pipelines
- Pipeline Variables
- Service Connections
- Artifact Management
- Deployment Stages

Azure Testing

- Test Plans
- Test Automation

Azure Security

- Secrets
- Variable Groups
- Approval Gates

Project

- Salesforce CI/CD using Azure Pipelines

Module 9: GitHub

- Workflow YAML
- Secrets Management
- Salesforce Authentication
- Automated Validation
- Apex Test Execution
- LWC Testing
- PMD Integration
- Scheduled Deployments
- Production Releases

Module 10: Jenkins for Salesforce

- Jenkins Installation
- Jenkins Pipelines
- Jenkinsfile
- Git Integration
- Salesforce CLI Integration

- Automated Deployment
- Test Automation
- Notifications
- Rollback Strategy

Module 11: Static Code Analysis & Quality

- PMD
- CodeScan
- SonarQube
- ESLint
- Prettier
- Security Scanning
- Apex Best Practices
- LWC Best Practices
- Code Review Process

Module 12: Salesforce Testing in DevOps

- Apex Testing
- Test Classes
- Test Coverage
- Jest for LWC
- Selenium Integration
- Playwright Integration
- API Testing
- Regression Testing
- Smoke Testing
- Deployment Validation

Module 13: Modern Salesforce DevOps Tools

- Salesforce CLI (sf)
- Salesforce DX
- DevOps Center
- Scratch Orgs

DevOps Platforms

- Copado
 - Gearset
 - AutoRABIT
-

CI/CD

- Azure DevOps
 - GitHub Actions
 - Jenkins
 - GitLab CI/CD
 - Bitbucket Pipelines
 - CircleCI
-

Version Control

- Git
 - GitHub
 - Azure Repos
 - GitLab
 - Bitbucket
-

Code Quality

- PMD
- SonarQube
- CodeScan
- ESLint
- Prettier

AI-Powered Development

- Agentforce
- Einstein for Developers
- GitHub Copilot
- Cursor AI
- Windsurf
- ChatGPT

Collaboration

- Jira
- Confluence
- Slack
- Microsoft Teams

Monitoring

- Splunk
- Datadog
- New Relic

Module 14: Enterprise Release Management

- Release Planning
- Deployment Windows
- Hotfix Process
- Emergency Releases
- Change Advisory Board (CAB)
- Compliance
- Audit Trail
- Rollback Planning
- Disaster Recovery
- Multi-Team Release Coordination

Module 15: Capstone Projects

Project 1

- Salesforce DevOps Center Implementation

Project 3

- AutoRABIT Enterprise Deployment
-

Project 4

- Azure DevOps Pipeline for Salesforce
-

Project 5

- GitHub Actions CI/CD with Salesforce CLI
-

Interview Preparation

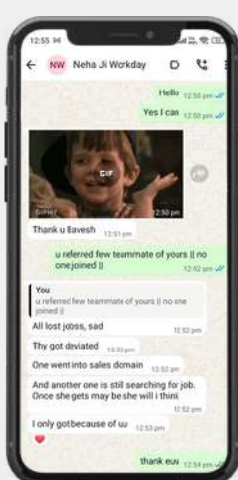
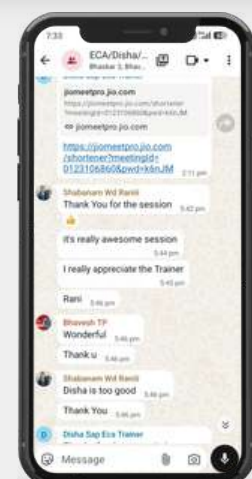
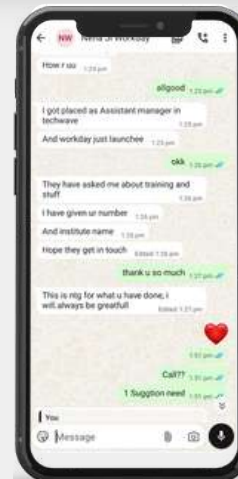
- 100+ Salesforce DevOps Interview Questions
- Copado Scenario-Based Questions
- Gearset Interview Scenarios
- AutoRABIT Real-Time Scenarios
- Azure DevOps Interview Questions
- Git & GitHub Practical Exercises
- Salesforce CLI Commands
- CI/CD Pipeline Design
- Production Deployment Scenarios
- Mock Interviews
- Resume Preparation
- Real-Time Enterprise Case Studies

Tools Covered

- Salesforce CLI (sf)
- Salesforce DX (SFDX)
- Git
- GitHub
- Azure Reposd
- Bitbucket
- GitLab
- Salesforce DevOps Center
- Copado
- Gearset
- AutoRABIT
- Flosum
- Blue Canvas
- Hutte
- Salto

- Azure DevOps
- GitHub Actions
- Jenkins
- GitLab CI/CD
- Bitbucket Pipelines
- CircleCI
- PMD
- SonarQube
- CodeScan
- ESLint
- Prettier
- Apex Test Framework
- Jest
- Selenium
- Playwright
- Postman
- Agentforce
- Einstein for Developers
- GitHub Copilot
- Cursor AI
- Windsurf
- Jira
- Confluence

WHAT OUR LEARNER SAYS



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Infosys

MetLife



Tech Mahindra

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TATA
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accenture
High performance. Delivered.

IBM

zelis®

HCL

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Course Name

CERTIFICATE

OF COMPLETION

This Certificate is awarded to

Name

This is to certified that the above named student has successfully completed the training for the **COURSE NAME** conducted by the Techpratham from **DD/MM/YYYY** to **DD/MM/YYYY**. During this training, organisation found him/her, a good performer & an excellent learner.

Bhagi Tyagi

MR. BHAGIRATH TYAGI
DIRECTOR & AUTHORIZED SIGNATORY



**Education is not Luxury
it's necessity.**

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