All Rights Reserved @ Softchief Learn

Dynamics 365 CE CRM & Power Apps Developers Full Course Curriculum

This course covers end-to-end Developer skills required to be a Dynamics CE/CRM Developer including Power Platform skills such as Power Apps, Power Automate, Power BI, Power Virtual Agent, Power Pages, AI Builders, Connectors, Dataflow & Dataverse. After this training you can apply jobs with minimum 2-year experience as D365 CE Developer. **90 Hours – 3 Months – Daily 1 Hour**

Section 1: Introduction About Instructor/Trainer

Sub Section 1.1: Trainer Experience

Sub Section 1.2: Trainer Achievements (Blogs, YouTube, Books, Awards)

Section 2: What you must know before enrolling this course

Sub Section 2.1: Pre-requisites skills you must have

Sub Section 2.2: Target Audience for the training

Sub Section 2.3: What you do if you don't have pre-requisites

Section 3: Understand Roles Functional, Technical, Techno-functional (Developer)

Sub Section 3.1: What is being a Functional Consultant

Sub Section 3.2: What is being a Technical Consultant

Sub Section 3.3: What is being a Techno-functional Consultant

Sub Section 3.4: What is being a Business Analyst, Pre-sales Consultant, Solution Architect

Section 4: Introduction to Dynamics 365 & Power Platform Echo-system

Sub Section 4.1: What is Dynamics 365 Business Applications, IIS, Azure Concepts

Sub Section 4.2: Understand Power Platform Echo-system & Dynamics 365 Apps

Section 5: Overview of Licensing and Pricing

Sub Section 5.1: Power Platform Licensing and Pricing

Sub Section 5.2: Dynamics 365 CE Licensing and Pricing

Section 6: Deployment Types On-Premise v/s online

Sub Section 6.1: Understanding Deployment Types

Sub Section 6.2: Benefits of On-Premise and Online Deployments & Differences

Section 7: Subscribing 30-days trial version

SOFTCHIEF LEARN COPY RIGHT

All Rights Reserved @ Softchief Learn

Sub Section 7.1: Free 30-days Trial

Sub Section 7.2: Extend Trail after expire

Section 8: Concept of Solutions, Managing Solutions, Deployments

Sub Section 8.1: What is a Solution, Solution Components, Publisher, Version

Sub Section 8.2: Types of Solutions

Sub Section 8.3: Solution Import, Export, Publish

Sub Section 8.4: Solution Layers

Sub Section 8.5: Solution Patches and Clones

Sub Section 8.6: Solution Update, Upgrade & Stage to Upgrade

Section 9: Working with Dataverse

Sub Section 9.1: What is Dataverse and Features

Sub Section 9.2: Working with Tables

Sub Section 9.3: Working with Columns and Data Types, Auto Numbers

Sub Section 9.4: Working with Calculated Columns and Roll-up Columns

Sub Section 9.5: Lookup and multi-entity lookup columns

Sub Section 9.6: Relationships and Relationship behaviors

Sub Section 9.7: Form Design and Types of Forms, Form Security, Fallback Form, Sub-grids

Sub Section 9.8: View Design and Types Views

Sub Section 9.9: Working with Alternate keys and Commands

Sub Section 9.10: Working with Charts, Dashboards

Sub Section 9.11: Working with Business Rules

Sub Section 9.12: Understanding Security Concept in-depth

Sub Section 9.13: Working with Reports

Section 10: Understanding Power Apps

Sub Section 10.1: Introduction to Power Apps

Sub Section 10.2: Types of Power Apps

Sub Section 10.3: Working with Model Driven App

Sub Section 10.4: Working with Canvas Apps and canvas App studio

Sub Section 10.5: Working with Power Portal App

SOFTCHIEF LEARN COPY RIGHT

All Rights Reserved @ Softchief Learn

Sub Section 10.5: Model-Driven App v/s Canvas App v/s Power Portal

Sub Section 10.6: Working with Power FX and Use it in Canvas Apps, References

Sub Section 10.7: CRUD Operation in Canvas App Connecting Dataverse

Sub Section 10.8: Connect Multiple Data Sources from Canvas App

Sub Section 10.9: Canvas App Versioning

Sub Section 10.10: Canvas App Sharing and Deployment

Sub Section 10.11: Model driven app Manage Role

Sub Section 10.12: Model driven app offline profile

Sub Section 10.13: Power Portal Templates, Settings and Portal Studio, Portal Management App

Sub Section 10.14: Power Portal Security, Authentication and Authorization

Sub Section 10.15: Portal Web Roles, Table permissions

Sub Section 10.16: Portal CRUD Operation, Basic Forms, Lists

Sub Section 10.17: Portal Deployment

Section 11: Working with Power Automate

Sub Section 11.1: Introduction to Power Automate

Sub Section 11.2: Working with Flow Types, Triggers, Connectors, Actions

Sub Section 11.3: Dynamics Content and Expressions

Sub Section 11.4: Flow Templates

Sub Section 11.5: Manage Power Automate, Deployment of Flows

Sub Section 11.6: Dataverse Connector and Action in Details

Sub Section 11.7: Calling Third Party Web API from Flow

Sub Section 11.8: Using When a Request Received Trigger

Sub Section 11.9: Working with Approvals

Section 12: Working with Power BI

Sub Section 12.1: Introduction to Power BI

Sub Section 12.2: Workspaces, Power BI Online, Power BI Desktop, Data Modelling

Sub Section 12.3: Data Sources, Data Sets, Visualizations, Reports, Dashboards

Sub Section 12.4: Create Reports and Dashboards in Power BI, Power Query Editor

Sub Section 12.5: Schedule Data Refresh, Publish and Deploy Reports and Dashboards

SOFTCHIEF LEARN COPYRIGHT

All Rights Reserved @ Softchief Learn

Sub Section 12.6: Embed Power BI Reports and Dashboards in Power Apps

Sub Section 12.7: Working with On-premise data Gateways

Section 13: Working with Power Virtual Agent

Sub Section 13.8: Introduction to Power Virtual Agent

Sub Section 13.9: Working with Topics, Triggers, Entities, Actions

Sub Section 13.10: Calling Power Automate from PVA

Sub Section 13.11: Deployment and Transfer Agent Configurations

Sub Section 13:12: Display PVA on Portals or external Websites

Section 14: Understanding Power Pages

Sub Section 14.1: Introduction to Power Pages

Sub Section 14.2: Design Power Pages

Sub Section 14.3: Configure Security and Other Inherited concept of Portals

Section 15: Using AI Builders

Sub Section 15.1: Introduction to AI Builder

Sub Section 15.2: Building Models in AI Builder

Sub Section 15.3: Use AI Models in Power Apps and Flow

Section 16: Working with Dataflows

Sub Section 16.1: Introduction to Dataflow, Power Query

Sub Section 16.2: Configure Dataflow and Schedule Refresh

Section 17: Working with Connectors

Sub Section 17.1: What is Connector and How to create connections

Sub Section 17.2: Create Custom Connectors

Sub Section 17.3. use Connectors in Power Platform

Section 18: Working with Configurations

Sub Section 18.1: Personal Settings Configuration Options

Sub Section 18.2: Admin Center Walkthrough

Sub Section 18.2: Advanced Settings Configurations

Sub Section 18.3: Business management Configurations

Sub Section 18.4: Working with Templates

SOFTCHIEF LEARN COPY RIGHT

All Rights Reserved @ Softchief Learn

Sub Section 18.5: Working with Languages, System Settings, Virtual Entity Data Sources

Sub Section 18.6: Legacy Auto numbering

Sub Section 18.7: Working with Data Management

Sub Section 18.8: System Jobs Analysis

Sub Section 18.9: Configure Auditing

Sub Section 18.10: Working with Classic Workflow Processes

Sub Section 18.11: Working with Custom Actions

Sub Section 18.12. Working with BPF

Section 19: Working with Customization

Sub Section 19.1: Understanding JSON and Web API in Dynamics 365 and Web Resources

Sub Section 19.2: Understanding Developer Resource links, SDKs, Tools

Sub Section 19.2: Working with Form Script Client Side Customization (JS)

Sub Section 19.3: Working with Plugins (C#)

Sub Section 19.4: Working with Custom Workflow Activities (C#)

Sub Section 19.5: Working with Console Apps (C#)

Sub Section 19.6: Working with LIQUID for Portals (HTML, CSS, jQuery, LIQUID, PORTAL WEB API)

Section 20: Working with Integrations

Sub Section 20.1: Integrate Outlook with Dynamics 365 CE

Sub Section 20.1: Integrate OneDrive for Business and OneNote for Dynamics 365 CE

Sub Section 20.2: Integrate SharePoint with Dynamics 365 CE

Sub Section 20.3: Integrate Azure Logic Apps, Azure Service End Points, Webhooks with D365 CE

Sub Section 20.4: Integrate Azure Functions with Dynamics 365 CE

Sub Section 20.5: Azure App Registration

Sub Section 20.6: Leverage Power of Power Automate for Integration

Sub Section 20.7: Dual-Write and Virtual Tables

Section 21: Understanding Dynamics 365 CE Core Modules

Sub Section 21.1: Fundamental Core Modules of Dynamics 365 CE

Sub Section 21.2: Sales Module and Sales Insights, App Settings

Sub Section 21.3: Customer Service Module, App Settings

SOFTCHIEF LEARN COPY RIGHT

All Rights Reserved @ Softchief Learn

Sub Section 21.4: Marketing Module, App Settings

Sub Section 21.5: Field Service Module, App Settings

Sub Section 21.6: PSA Module, App Settings

Section 22: Working with Deployment using DevOps ALM

Sub Section 22.1: Configure DevOps ALM for Solution Deployment

Section 23: Working with Power Apps Code Component Framework (PCF)

Sub Section 23.1: Introduction to PCF

Sub Section 23.2: Develop PCF and Upload in Dataverse

Sub Section 23.3: Use PCF in Power Apps

***Disclaimer**:*

This training syllabus is designed to upskill resources to be a Dynamics 365 CE and Power Apps Developer. The candidates who complete all these skills can apply jobs with 2-year experience level.

Online Resources:

*Microsoft Learn**:*** https://docs.microsoft.com/en-us/learn/

Softchief Blogs: https://softchief.com/

Softchief Chanel: https://www.youtube.com/user/sppmaestro

SOFTCHIEF LEARN COPY RIGHT