

Microsoft 365 - Client Side Development Fundamentals (M365-CSDF)

ID M365-CSDF Price CHF 3,730.—(excl. VAT) Duration 5 days

Who should attend

Developers aiming to implement Microsoft 365 solutions

Prerequisites

- HTML, CSS, JavaScript
- Node.js and .NET recommended

Course Content

Introduction Microsoft 365 Development

- Microsoft 365 Overview & Services
- Overview Microsoft 365 Apps & Extension Patterns
- Microsoft 365 Development & Azure
- Node.js Essentials
- Microsoft 365 App Deployment Overview

Microsoft Identity Platform and Microsoft Entra ID

- Introduction to Microsoft Identity
- Entra ID App Registrations
- OAuth 2.0, OpenID Connect & Authentication Flows
- Microsoft Authentication Library - MSAL

Microsoft 365 Data Access using Microsoft Graph

- Introduction to Microsoft Graph
- Batching & Large Files
- Managing Events, Calendar, Mail using Graph
- Accessing One Drive & Teams
- Using Graph's SharePoint Rest Api V2

SharePoint Data Access

- Introduction to SharePoint Object Hierarchy
- PnP Core SDK vs REST vs PnP JavaScript
- Introduction to PnP Core SDK for .NET
- PnP/PnPjs Overview & CRUD Operations
- OData Queries and Expanding
- CRUD Operation using REST

Azure Functions in Microsoft 365 Development

- Introduction Azure Functions
- Timer Jobs & Automation using Azure Functions
- Using Microsoft Graph in Azure Functions
- SharePoint Remote Event Handling Options
- Handling Graph Change Notifications
- Azure Function Deployment

Introduction to React for Microsoft 365 Development

- Introduction to React
- Use Cases for React in SharePoint Development
- Classes vs Functional Components
- Using Hooks: useState, useEffect, useCallback
- Accessing Microsoft 365 Data in React
- Deploying Single Page Apps to Azure

SharePoint Framework Basics (SPFx)

- SharePoint Framework SPFx Overview
- When to use SPFx / When to use other Patterns
- Implementing SharePoint Framework Web Parts
- SharePoint Framework Data Access
- Introduction to SharePoint Framework Extension
- Deploying SharePoint Framework

Build collaborative apps for Microsoft Teams

- Teams Toolkit for Visual Studio Code
- Build conversational bots for Microsoft Teams
- Build tabs for Microsoft Teams
- Connect web services to Microsoft Teams using webhooks
- Retrieving Microsoft Graph Data in Teams
- Deploy a Microsoft Teams app to Azure by using Teams Toolkit for Visual Studio Code

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Training Centres worldwide



Fast Lane Institute for Knowledge Transfer (Switzerland) AG

Husacherstrasse 3
CH-8304 Wallisellen
Tel. +41 44 832 50 80

info@flane.ch, <https://www.flane.ch>