

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

ID M365-CSDF Prix CHF 3 730,- (Hors Taxe) Durée 5 jours

## A qui s'adresse cette formation

Developers aiming to implement Microsoft 365 solutions

## Pré-requis

HTML, CSS, JavaScript / Typescript

## Contenu

### Introduction Microsoft 365 Development

- Microsoft 365 Overview & Services
- Overview Microsoft 365 Apps & Extension Patterns
- Microsoft 365 Development & Azure
- 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 for List & List Items

### 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

### 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
- Message extensions for Microsoft Teams and Microsoft Copilot for Microsoft 365
- 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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## Centres de formation dans le monde entier



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