

# MindSphere Academy Attendance Certificate

## Basic Application Development training for MindSphere

«ParticipantFName»  
«ParticipantLName»

Date: «Training\_Date»  
Place: «TrainingLocation»

### Description

During this three-day training the participant has received detailed insight into MindSphere architecture and the MindSphere API, has learned about its security concepts, permission model, request routing and the MindSphere RESTful API.

As part of the hands-on practices, the participant has developed and deployed HTML and JavaScript frontend applications to visualize MindSphere data using the dashboard functionality. Moreover, the participant has created own Node.js microservices that communicate with the MindSphere ecosystem.

### Objectives discussed

- Use MindSphere APIs to develop HTML/JavaScript frontend applications for MindSphere
- Write microservices used for development of applications while using MindSphere API
- Run MindSphere applications in the cloud

### Content

- Cloud Foundry basics
- Web development basics
- MindSphere architecture
- MindSphere API
- MindSphere security concepts
- MindSphere request routing
- Usage of MindSphere Backing Services

### Training methods

- Interactive lectures
- Hands-on exercises for application development for MindSphere

**The participant has attended the 3-day training.**

