**Blockchain App in a Day Workshop**

**Date:**

**Location:**

Blockchain (aka, distributed ledger technologies) is disrupting how industries are solving business problems and creating new markets for products and services. In this workshop, the attendee will be introduced to deploying Azure Blockchain Workbench and designing, developing, and deploying blockchain solutions.

# Target Audience

Developers seeking to gain hands-on design, development, and deployment knowledge in blockchain, it is assumed the attendee has a development background in Java or C#. This workshop is not an advanced blockchain development workshop; rather, it’s a hands-on introduction focused on developing a blockchain solution and the process for creating blockchain applications.

# Public GitHub Repo

The [public GitHub repo](https://github.com/microsoft/MTC_BlockchainAppinaDay/tree/master/) for this workshop provides the learning objectives, requirements, and content for the workshop.

# Requirements

There is pre-work required prior to the workshop. It is documented in the [MTC Blockchain App in a Day GitHub repository](https://github.com/microsoft/MTC_BlockchainAppinaDay/tree/master/Prework). Please review and follow these instructions prior to the workshop.

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| ***Start Time*** | ***Topic*** |
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| ***9:00 am*** | **Welcome, Introductions, Logistics** |
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| ***9:15 am*** | **Blockchain Positioning and Strategy**   * Understand roles for blockchain and Microsoft strategy * Discuss use cases across industries |
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| ***10:00 am*** | **Azure Blockchain Workbench Solution Review**   * Demonstrate and review a completed Azure Blockchain Workbench solution |
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| ***10:30 am*** | **Azure Blockchain Workbench, Sample Solution, Code Walkthrough**   * Discuss architecture of Azure Blockchain Workbench * Deploy sample solution * Hands-on walkthrough of Solidity code and Azure Blockchain Workbench solution configuration |
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| ***12:00 pm*** | **Lunch (provided)** |
| ***12:30 pm*** | **MVP - Solution Development and Deployment**   * Scope an MVP, its role, states, transitions * Develop code for the MVP, test locally * Deploy the MVP to Azure Blockchain Workbench * Extend the Azure Blockchain Workbench MVP |
| ***3:30 pm*** | **Extending Azure Blockchain Workbench, Architecture**   * Solutions to extend Azure Blockchain Workbench * Understanding the API/integration models * Review GitHub repos, samples, and forums * Open discussion on development, architecture, and platform questions |
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| ***4:30 pm*** | **Closure** |