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Cloud-Community-Days

Learning Resources

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all contributors 2

Announcement

[Cloud Community Days](#) is a 3-day, online, developer-focused, single track conference on modern cloud technologies focusing on Containers, Kubernetes, Artificial Intelligence & Machine Learning, DevOps, Serverless, and more. This is a free conference and we are welcoming all the interested developers to join us and attend the conference.

- Day-wise themes of the conference are as given below :
 - Day 1 (17th June 2020) : Cloud Native
 - Day 2 (18th June 2020) : AI/ML
 - Day 3 (19th June 2020) : Serverless, DevOps and more

Learning Resources

Category: AI & ML

Check out some good resources about Kubernetes below:

- [Packt: Principles of Data Science](#) - This comprehensive free e-book from Packt, Principles of Data Science, helps fill in the gaps
- [Azure AI](#)
- [Enhance your apps with AI](#) - This report, A Developer's Guide to Building AI Applications, Second Edition, lets you check out AI's possibilities hands-on.
- [Learning Azure Cognitive Services](#) - Kick off or expand your artificial intelligence (AI) development with this comprehensive guide.

Category: DevOps

Download Effective DevOps from O'Reilly free e-book to find out how to build a strong and sustainable DevOps culture within your organization

- [Effective DevOps—Building a DevOps Culture at Scale](#)

Category: Kubernetes

Check out some good resources about Kubernetes below:

- [Phippy Goes To The Zoo](#) - Join Phippy on her new adventure as she takes her niece on an educational trip to the Kubernetes Zoo and learns about ingresses, CronJobs, CRDs, and more!
- [Azure Kubernetes Service \(AKS\)](#) - Explore Kubernetes learning path here.
- [Designing Distributed Systems](#) - This free e-book provides repeatable, generic patterns, and reusable components to make developing reliable systems easier and more efficient—so you can free your time

to focus on core development of your app

- [Cluster operator and developer best practices to build and manage applications on Azure Kubernetes Service \(AKS\)](#)
- [Kubernetes: Up and Running, Second Edition](#) - Get the practical Kubernetes deployment skills you need in this O'Reilly free e-book.

Category: Serverless

Download the 399-page serverless computing free e-book and get access to dozens of step-by-step recipes for quickly building serverless apps

- [Azure Serverless Computing Cookbook, Second Edition](#)
- [Knative Cookbook](#)

Speaker Slides

Day 1 (Cloud Native)

1. [4K Streaming in Cloud with Kubernetes, Knative, Kafka, Kamel](#) by Kamesh Sampath, Red Hat
2. [Running Elasticsearch {Stack} on Kubernetes](#) by Aravind Putrevu, Elastic
3. [Tour of Dapr: a runtime for microservices development](#) by Abhishek Gupta, Microsoft
4. [“Life is what YOU make it!”](#) by Sandeep Kanabar, NortonLifeLock
5. [Raspberry Pi Air quality monitor and Azure IoT Central](#) by Dave Glover, Microsoft (also [video](#))
6. **“My experiences building CloudSkew (a browser-based, real-time diagram editor on the cloud)”** by Mithun Shanbhag, Skewed Ventures (no slides) [CloudSkew website](#) and [Architecture details](#)
7. [The World of Containers with - Podman, Buildah, Skopeo](#) by Seema Saharan, Mentor and Open Source Contributor
8. [Together in COVID-19: Health of India](#) by Aditya Raman, KonfHub
9. [Containerize Microservices with Service Fabric](#) by Hamida Rebai, Revenu Quebec

Day 2 (AI & ML)

1. [Identifying People Wearing Masks from Image using Cognitive Services](#) by Ritesh Modi, Hon. Regional Director - Microsoft
2. [Natural Language Processing using Azure](#) by Usha Rengaraju, Infinite-Sum Modeling
3. [End-to-End Machine Learning Model Development Using Microsoft Azure](#) by Arpita Gupta, Accenture
4. [Build and deploy PyTorch models with Azure Machine Learning](#) by Henk Boelman, Microsoft
5. [Build a sentiment analysis Bot by Integrating A2019 \(RPA platform\) with Microsoft Azure cognitive services](#) by Arjun S Meda, Automation Anywhere
6. [How open source contribution helps in AI](#) by Chinmaye Jain, Witsy limited
7. [AI/ML solutions to tackle COVID-19](#) by Vivek Raja, 15x Hackathon Winner
8. [Understanding ML Through Memes](#) by Harsh Aryan, Microsoft Student Partner

Day 3 (Serverless, DevOps & More)

1. [Accelerating deployment with Azure DevOps](#) by Leena N & Murugan Palaniachari, *Yoga Tree & EY*
2. [Serverless DevOps](#) by Aaron Powell, *Microsoft*
3. [Building, Deploying and Managing Microservices-based Applications with Azure pipeline and AKS](#) by Mamta Jha, *TechScalable*
4. [Diving into the world of spell checks!](#) by Niharika Krishnan, *Tata Consultancy Services*
5. [MagicScaling Event Pipelines with Keda & Virtual Kubelet](#) by Vishal Biyani, *InfraCloud Technologies*
6. [Service Mesh and Why You Should Use It](#) by Nancy Chauhan, *Grofers*
7. [Understanding Azure Batch Service](#) by Niloshima Srivastava, *Vichara Technologies*
8. [Stepping into the world of Open Source](#) by Anisha Swain, *Red Hat*
9. [Leading Edge of Modern Web Apps on Azure](#) by Menaka Basker, *Accenture Digital*
10. [Intro to debugging Django and Building insights](#) by Sayantika Banik, *Continual Engine*

 Check out our official website for more details about [Cloud Community Days](#)

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