



October 20, 2020 / Schedule

*All times are Eastern Standard.

Day Two of All Things Open 2020 will feature morning plenary keynotes as well as 45 minute sessions across 24 topic tracks. There is also a Featured Session block from 12:30 - 1:15 pm ET highlighting talks and topics we feel are widely applicable.

8:45AM - 9:00AM Welcome & Keynotes (Main Stage)

Todd Lewis, All Things Open

KEYNOTES (MAIN STAGE)

9:00AM - 9:15AM 10 Commandments of Navigating Code Reviews

Angie Jones, Applitools

9:20AM - 9:35AM Security is Everyone's Responsibility

Marten Mickos, HackerOne

9:40AM - 10:00AM An Animated Guide to Vue 3 Reactivity and Internals

Sarah Drasner, Netlify

10:05AM - 10:20AM Open Source Licenses at the Center

Chris DiBona, Google

10:20AM - 10:30AM BREAK - NETWORKING/SPONSORS

10:30AM - 11:15AM Sessions (See Next Page)

11:15am - 11:30PM BREAK

11:30AM - 12:15PM Sessions (See Next Page)

12:15PM - 12:30PM BREAK

12:30PM - 1:15PM Featured Sessions (See Next Page)

1:15PM - 1:30PM BREAK

1:30PM - 2:15PM Sessions (See Next Page)

2:15PM - 2:30PM BREAK

2:30PM - 3:15PM Sessions (See Next Page)

3:15PM - 3:30PM BREAK

3:30PM - 4:15PM Sessions (See Next Page)

4:15PM - 4:30PM BREAK

4:30PM - 5:15PM Sessions (See Next Page)

5:15PM - 5:30PM Final comments and wrap-up (Main Stage)

Todd Lewis, All Things Open

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hyper63
MySQL
Syncfusion
TerminusDB

Please note, minor changes to the schedule are possible prior to event date.

October 20, 2020 / Tracks

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SECURITY

Made Possible by Sonatype

10:30AM - 11:15AM

Sudo For Defense: How can new or lesser-known features help you?

Peter Czanik, One Identity

11:30AM - 12:15PM

What are you risking by ignoring technical debt?

Sal Padilla, Infosys

12:30PM - 1:15PM

FEATURED SESSION

So Happy Together: Making the Promise of DevSecOps a Reality

Alyssa Miller, Snyk

1:30PM - 2:15PM

If you Give a Hacker a Cookie

Shaun Lamb, SAS Institute

2:30PM - 3:15PM

5 Pillars of Security Success

Eric Hart, Optum

4:30PM - 5:15PM

How to 2FA-enable Open Source Applications

Michael Schwartz, Gluu

LINUX / INFRASTRUCTURE

Made Possible by Red Hat

10:30AM - 11:15AM

Linux 101

Justin Reock, OpenLogic by Perforce

11:30AM - 12:15PM

Multi-Cluster Kubernetes and Service Mesh Patterns

Christian Posta, Solo.io

1:30PM - 2:15PM

A Tour of Open Source on the Mainframe

Elizabeth Joseph, IBM

2:30PM - 3:15PM

Web acceleration Mechanics

Alexander Krizhanovsky, Tempesta Technologies

3:30PM - 4:15PM

How Red Hat ran a global OpenVPN offer during the COVID-19 pandemic with 99% Open Source software

Mauricio Teixeira, Red Hat

4:30PM - 5:15PM

How to Build a Kubernetes Networking Solution from Scratch

Antonin Bas & Jianjun Shen, VMware

DATABASES

10:30AM - 11:15AM

Why Postgres

Craig Kerstiens, Crunchy Data

11:30AM - 12:15PM

Dungeons, Dragons, and Graph Databases

Guy Royce, Redis Labs

1:30PM - 2:15PM

Understanding MySQL concepts

Matthais Crauwels, Pythian

2:30PM - 3:15PM

Demystifying NoSQL: The SQL developer's guide

Matthew Groves, Couchbase

3:30PM - 4:15PM

Cassandra Architecture: Understanding, Scaling and Optimizing

Ben Bromhead, Instaclustr

4:30PM - 5:15PM

Building Streaming Data Apps with Pac-Man

Ricardo Ferreira, Confluent

CLOUD

Made Possible by Optum

10:30AM - 11:15AM

Writing a Kubernetes/OpenShift Operators Using Golang

Abhishek koserwal, Red Hat

11:30AM - 12:15PM

Autoscaling Pods and Nodes in Kubernetes: Where to Start?

Katie Wassell, IBM

12:30PM - 1:15PM

FEATURED SESSION

Container Management at Scale

Cameron Seader, SUSE

1:30PM - 2:15PM

Tracing Cloud-Native Applications: From stacktrace to Opentracing using Istio

Rafael Benevides, Oracle

2:30PM - 3:15PM

Finding the Golden Signals with Prometheus

Jack Neely, 42 Lines, Inc.

3:30PM - 4:15PM

Challenges in Building Multi-Cloud-Provider Platform With Managed Kubernetes

Joerg Schaad, PhD, ArangoDB

4:30PM - 5:15PM

Won't Even Notice, Painless Kubernetes Upgrades

Ricardo Aravena, Rakuten

BIG DATA

10:30AM - 11:15AM
Apache Druid: Why Speed In Analytics Matters

Rommel Garcia, Imply Data

11:30AM - 12:15PM

Docker and Python - Making them play nicely and securely for Machine learning and data science

Tania Allard, PhD, Microsoft

1:30PM - 2:15PM

Project Alvarium - the Future of Big Data on the Edge

Steve Todd, Dell Technologies

2:30PM - 3:15PM

Apache Kafka and ksqldb In Action: Let's Build a Streaming Data Pipeline!

Robin Moffat, Confluent

3:30PM - 4:15PM

So Many Metrics, So Little Time: 5 Prometheus Exporter Best Practices

Aaron Newcomb, sysdig

MACHINE LEARNING / AI

Made Possible by SUSE

10:30AM - 11:15AM

AI Bias Testing and Mitigation: How to Choose the Right Open Source Tools

Melinda Thielbar, Fidelity Investments

11:30AM - 12:15PM

Catch me if you can - How to use AI to fight Fraud, Waste and Abuse (FWA)?

Cupid Chan, Index Analytics

12:30PM - 1:15PM

FEATURED SESSION

eXplainable Predictive Decisioning: combine ML and Decision Management to promote trust on automated decision making

Matteo Mortari & Daniele Zonca, Red Hat

1:30PM - 2:15PM

Leverage Power of Machine Learning with ONNX

Ron DagDag, Spacex

2:30PM - 3:15PM

Deep Learning with PyTorch

Sachin Solkahn, Fidelity Investments

3:30PM - 4:15PM

The ML mindset for Managers

Krishna Chytanya Ayyagari, Google

4:30PM - 5:15PM

Artificial Intelligence - Addressing the Challenges of Today's Data Scientists

Alessandro Festa & Jeff Reser, SUSE

PROJECTS

Made Possible by Amazon Web Services

10:30AM - 11:15AM

Demystifying Clearview: Vehicle Tracking with Public CCTV Cameras and TensorFlow

Sam Brice, Two Sigma, NumFOCUS

11:30AM - 12:15PM

Backstage.io: Spotify's platform developer experience

Stefan Alund, Spotify

12:30PM - 1:15PM

FEATURED SESSION

Do What You Can with What You Have - How Nonprofit Volunteers built an Open Source COVID Response Solution with Salesforce.org

Cori O'Brien, Mary Crozier, & David Reed, Salesforce.org

1:30PM - 2:15PM

LibreOffice 10th Anniversary: the many faces of a global FOSS community

Italo Vignoli, The Document Foundation/ LibreOffice Project

2:30PM - 3:15PM

Dual-Screen and Multi-Modal: Rethinking modern mobile apps

Nitya Narasimhan, Microsoft

3:30PM - 4:15PM

Remote Desktops: Ensuring Performance and Security with Apache Guacamole

Mike Jumper, Glyptodon

4:30PM - 5:15PM

Creating a sustainable open source ecosystem for mainframe through the Open Mainframe Project

John Mertic, The Linux Foundation

CASE STUDY / DEMO

Made Possible by Sysdig

10:30AM - 11:15AM

Open Source on Purpose; Strategy, Process and Tools to Succeed

Kevin Nelson & Randy Olinger, United Health Group / Optum

11:30AM - 12:15PM

Building high performing and scalable platforms using OSS

Vinayak Hulawale & Ashish Gupta, Capital One

12:30PM - 1:15PM

FEATURED SESSION

7 Things you can Learn from Microsoft's Open Source Experience

Stormy Peters, Microsoft

1:30PM - 2:15PM

SkillTree - Gamification Made Easy

Terrence Pugh, NSA

The Open-Source Journey of the Most Unlikely Participant

Alex Scammon & Caterina Rindi, G-Research

2:30PM - 3:15PM

Digitizing 125 years of images

Suman Roy & William P. Davis, The New York Times

3:30PM - 4:15PM

How New Relic Went Open Source: Code & Culture

Garvin Johnson, New Relic

4:30PM - 5:15PM

Commercial Open Source Business Models: GitLab's Bet on Buyer-based Open Core

Brendan O'Leary, GitLab

October 20, 2020 / Tracks cont.



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OPEN SOURCE PROGRAMS OFFICE (OSPO)

Made Possible by Capital One

10:30AM - 11:15AM

Open Source Program Office is a Key Element for your Company, but also for the Open Source Ecosystem
Manrique Lopez, Bitergia

11:30AM - 12:15PM

The Rise of the Open Source Program Office (OSPO) in Industry, Academia, and Municipal Government
Danese Cooper, Nearform & Jacob Green, MOSSLabs.io

12:30PM - 1:15PM

FEATURED SESSION
Fostering an Open Environment for Developers in a Regulated Industry
John Mark Walker, Capital One

1:30PM - 2:15PM

Three Cs to an Open Source Program Office
Justin Rackliffe, Fidelity Investments

2:30PM - 3:15PM

TO-DO Group - Panel Discussion - The State of Open Source Program Offices
Chris Aniszczuk, Linux Foundation, Nithya Ruff, Comcast, & Justin Rackliffe, Fidelity Investments

3:30PM - 4:15PM

How OSPOs can Accelerate National Innovation Agendas
Clare Dillon, Moss Labs

COMMUNITY

Made Possible by Google

10:30AM - 11:15AM

Humans of Open Source
Christian Bromann, Sauce Labs
Building Open Organizations
Jimmy Sjölund, Telia Company

11:30AM - 12:15PM

Selfish Contribution
Francesca Marano, SiteGround

12:30PM - 1:15PM

FEATURED SESSION
Open Source, InnerSource - Similarities, Differences, Connections
Nithya Ruff, Comcast

1:30PM - 2:15PM

Ensuring that Documentation is a First-class Citizen in Open Source Projects
Ray Paik, GitLab & Sofia Wallin, Ericsson
Software Technology

2:30PM - 3:15PM

Bottom-Up Open Source Culture
Russell Rutledge, Innersource Commons

3:30PM - 4:15PM

Fund Projects and Change Company Culture with a FOSS Fund
Alyssa Arvin, Salesforce & Jade Applegate, Indeed

4:30PM - 5:15PM

Communication Strategy for Open Source Projects, or How to get Engineers to Think About Comms Channels
Maria Cruz, Google

BUSINESS

10:30AM - 11:15AM

There's no sustainability problem in FOSS. Except that there is.
Carole Smith, Microsoft, & Duane O'Brien, Indeed

11:30AM - 12:15PM

Is this Open Source Project Healthy or Lifeless?
Dawn Foster, VMware

12:30PM - 1:15PM

FEATURED SESSION
3 Ways to Improve Workplace Collaboration and Productivity
Teresa Dietrich, Stack Overflow

1:30PM - 1:45PM

Building an Open Source Strategy Before Building Your Product
Ari Vaniderstine, Embark Studios
Setting Up A 30 - Offline, Open, Office.
Leiska Evanson, Evansons Strategy Consultants / Live from the Caribbean Podcast / Wilton Trading Company dba Healing Grove Contained Farms

2:30PM - 3:15PM

Can Open Source and Corporate Interests Merge in the Cloud?
Paul Dix, InfluxData

101 (1)

Made Possible by Amazon Web Services

10:30AM - 11:15AM

Tools for maintaining an open source project
Ben Nuttall, BBC News Labs

11:30AM - 12:15PM

The technical writers guide to contributing to open source projects
Edidiong Asikpo, Hashnode

12:30PM - 1:15PM

FEATURED SESSION
Under-represented Communities in Code
Ndu Emuchay, IBM, Justin Dawkins, Collab Capital, Christian Saunders, OHCHR, Anesha Grant, Black Girls CODE, & Stephanie Tena-Meza, Stanford University

2:30PM - 3:15PM

The Basics of Copyright and Licensing for Software Developers
VM (Vicky) Brasseur

3:30PM - 4:15PM

Knowledge Glaciers in the Age of Automation and Cloud Native
Emily Fox, National Security Agency (NSA)

4:30PM - 5:15PM

Kubeflow 101 on Google Cloud
Abhijeet Rajwade, Google

101 (2)

Made Possible by Amazon Web Services

10:30AM - 11:15AM

The Management of Patent Risk in Software - Parallels Between OpenSource Technical and Patent Collaboration
Keith Bergelt, Open Invention Network (OIN)

11:30AM - 12:15PM

Open Source & Standards: Two Sides of a Critical Coin
Guy Martin, OASIS Open

12:30PM - 1:15PM

FEATURED SESSION
The World Needs Open-source Now More Than Ever
Angela Oduor Lungati, Ushahidi Inc

1:30PM - 2:15PM

An Introduction to the Swift Programming Language
Timirah James, TechniGal LA

2:30PM - 3:15PM

Charlie and the Chocolate Factory and Emerging Technologies
Dr. Rochelle Newton, Duke University School of Law

3:30PM - 4:15PM

Learning to Maximize Product Impact Through Open Source
Marissa Crosby, Optum

HARDWARE / IOT

Made Possible by IoT

10:30AM - 11:15AM

Building Raspberry PI Supercomputers
Federico Lucifredi, Red Hat

11:30AM - 12:15PM

Reference products: A middle path between build vs. buy for IoT P
Will Hart, Particle Industries

1:30PM - 2:15PM

Highly Customizable Open Source Robot Simulation
Louise Poubel, Open Robotics

2:30PM - 3:15PM

Connecting microcontrollers to the cloud using MQTT, BLE, and HTTP
Tanmoy Sen, Amazon Web Services

3:30PM - 4:15PM

Building your first voice app using Jovo
Nathan Collins, Teamworks

MOBILE DEVELOPER

10:30AM - 11:15AM

Modern Cross Platform with Ionic and Capacitor
Mike Hartington, Ionic

11:30AM - 12:15PM

Best Practices to Build Scalable React Native Apps
Adhithi Ravichandran, Surya Consulting, Inc.

1:30PM - 2:15PM

Test what?
Ijeoma Ezeonyebuchi, NPR

2:30PM - 3:15PM

Practical CI/CD for React Native
Ariya Hidayat

3:30PM - 4:15PM

Flutter: A journey of productivity and happiness
Jorge Coca, Very Good Ventures

4:30PM - 5:15PM

Evolution of Xamarin.Forms!
Sam Basu, Progress Software

BACK-END DEVELOPER

10:30AM - 11:15AM

Static Sites and Serverless Functions - A Dynamic Combination
James Quick, Auth0

11:30AM - 12:15PM

How to Build a Unified GraphQL API
Shruti Kapoor, PayPal

1:30PM - 2:15PM

Screaming Fast API Clients
Moshe Zadka, SurveyMonkey

2:30PM - 3:15PM

Think Cloud, Develop Locally
Michael Blakeney, Terazo

3:30PM - 3:45PM

Managing Data Consistency among Microservices with Debezium
Justin Chao, Optum
The Do's and Don't of Pull Requests and Bug Triage in Open Source Projects
Sahdev Zala, IMB

October 20, 2020 / Tracks cont.

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FRONT-END DEVELOPER

10:30AM - 11:15AM

Getting Started with CI/CD using Github Actions
Sue Malomo, Happy Cog

11:30AM - 12:15PM

Unlocking Backlog Jams
Dave Rupert, Paravel

12:30PM - 1:15PM

FEATURED SESSION
Live Coding a 3D Game in 45 Minutes (with open source tech!)
Paris Buttfield-Addison, Secret Lab & Tim Nugent, Lonely Coffee

1:30PM - 2:15PM

The "Perfect" JS Library Tooling
Ben Illegbodu, Stitch Fix

2:30PM - 3:15PM

JAMstack: Web Apps at Ludicrous Speed
David Neal, Okta

3:30PM - 4:15PM

Flash Introduction to Web Accessibility
Michael Head, Slalom, Inc
Crushing React bugs with Enzymejs
Jannaee Sick, IBM

FRONT-END ENGINEERING

10:30AM - 11:15AM

Type-Safe APIs - Syncing Back & Front End Types w/ Code Generation
Jack Koppa, POLITICO

11:30AM - 12:15PM

Angular in the Jamstack
Tara Z. Manicic, Netlify

12:30PM - 1:15PM

FEATURED SESSION
Beyond Coding: The Hallmarks of a Great Open Source Engineer
Dr. Shallon Brown, North Studio

1:30PM - 2:15PM

End to End Testing with Cypress
Avindra Fernando, Uhray

2:30PM - 3:15PM

Beyond Spaghetti: Cooking up better front-end applications with inspiration from the culinary world
Ryan Lanciaux, Spaceship Studio, LLC.

3:30PM - 4:15PM

Leadership for Developers
Hampton Catlin, Veve

4:30PM - 5:15PM

Git Workflow Etiquette: Repository Organization for Clean Codebases
Jolene Langlinais, Clause

PROGRAMMING LANGUAGES

10:30AM - 11:15AM

The State of Swift
Paris Buttfield-Addison, Secret Lab, & Tim Nugent, lonely.coffee

11:30AM - 12:15PM

Fight Complexity with Functional Programming
Gopal S. Akshintala, Microsoft

1:30PM - 2:15PM

WebAssembly Live
Steve Klabnik, Oxide Computer Company

2:30PM - 3:15PM

Ruby Served with a side of JavaScript
Michael Lang, New Relic

3:30PM - 4:15PM

What we can Learn from Go to Write Better Python
Aaron Schlesinger, Microsoft

DESIGN/UI/UX

10:30AM - 11:15AM

Sass: 2020 And Beyond
Hampton Catlin, Veve

11:30AM - 12:15PM

Future of Developer Experience - Graphical visualization of logical relationships in application structure and configuration files
Veethika Mishra, GitLab

1:30PM - 2:15PM

A Glimpse Into Accessibility
PJ Hagerly, DevRelate.io

2:30PM - 3:15PM

Designing for chaos: The design process behind Olivero
Jennifer Witkowski & Jared Ponchot, Lullabot

3:30PM - 4:15PM

Gender Inclusivity Is More Than an "Other" Option
Alex Manzo, Savas Labs

INTERNATIONAL

10:30AM - 11:15AM

OpenUK: The UK's Open Technology Gateway
Amanda Brock, OpenUK

11:30AM - 12:15PM

Over a decade of building an open source community in Asia
Hong Phuc Dang, FOSSAsia

1:30PM - 2:15PM

Open Source in Africa
Shedrack Akintayo, Cloud Foundry Foundation

2:30PM - 3:15PM

How India can Contribute to the Global OSS Community
Venkatesh Hariharan

NONPROFITS

10:30AM - 11:15AM

The History of the Apache Software Foundation
Jim Jagielski, Uber

11:30AM - 12:15PM

Open Source Collective: The Business of Open Community
Alyssa Wright, Open Source Collective

12:30PM - 1:15PM

FEATURED SESSION
Hidden Infrastructure: The Foundations of Open Source
Joshua Simmons, Salesforce + OSI

1:30PM - 2:15PM

What does the Open Source Initiative do?
Deb Nicholson, Open Source Initiative

2:30PM - 3:15PM

Software freedom conservancy

3:30PM - 4:15PM

GNOME Foundation Then and Now — 20 years of bringing free software to the desktop
Rosanna Yuen, GNOME Foundation

4:30PM - 5:15PM

Free Software Foundation

OPEN DATA / OPEN GOVERNMENT

10:30AM - 11:15AM

Participatory Mapping For Open Counties
Wambua Zacharia Muindi, Map Kibera

11:30AM - 12:15PM

Technical challenges in open metadata
Mandy Chessell, IBM

1:30PM - 2:15PM

Open Source for Open Science with Frictionless Data
Lilly Winfree, Open Knowledge Foundation

2:30PM - 3:15PM

Federal Source Code Study: An Analysis of Publishing the People's Code
Joseph Castle, U.S. General Services Administration

3:30PM - 4:15PM

The OpenStreetMap Project
Maggie Cawley, OpenStreetMap US

DEVOPSDAYS 1

10:30AM - 11:15AM

A Holistic Approach to DevOps: Driving an enterprise software development and observability strategy through open source
Eric Tice, Wipro Technologies

11:30AM - 12:15PM

What are your Automation Strategies?
Lisette Zounon, Zsquare Solutions Inc

12:30PM - 1:15PM

FEATURED SESSION
DevOps101
Baruch Sadogursky, JFrog

1:30PM - 2:15PM

DevSecOps - Security Throughout the DevOps Pipeline
Alan S. Koch, Cprime Learning (formerly ASPE Training)

The Road to DevOps Success: It's Human
Lance Knight, ConnectALL
Test Automation and Beyond: Implementing Continuous Testing Effectively
Gerie Owen, Cubic Transportation Inc.

2:30PM - 3:15PM

Building Stateful Workloads in Kubernetes
Rob Richardson, @rob_rich

October 20, 2020 / Tracks cont.



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DEVOPSDAYS 2

10:30AM - 11:15AM

The Goldilocks Problem of Software Delivery

Anders Wallgren, CloudBees

11:30AM - 12:15PM

Unpacking the Container: A Deep Dive into Virtualized Container Technology

Melissa McKay, JFrog

2:30PM - 3:15PM

Continuously Awesome: Using Jenkins to Build, Deploy, and Automate

Valerie Regas, Airbus Defence & Space

3:30PM - 4:15PM

EXTENDED SESSION

Azure DevOps and the SSIS Development Lifecycle (Part 1)

Andy Leonard, Enterprise Data & Analytics

4:30PM - 5:15PM

EXTENDED SESSION

Azure DevOps and the SSIS Development Lifecycle (Part 2)

Andy Leonard, Enterprise Data & Analytics

SPONSOR SPOTLIGHT

10:30AM - 11:15AM

Making a Career out of Your Jobs

Sarah Mei, Salesforce

11:30AM - 12:15PM

Developer-Driven Security: Owning your projects from inception to commercialization

Maury Cupitt, Sonatype

12:30PM - 1:15PM

FEATURED SESSION WikiLoop: Big tech's Open Knowledge contributions

María Cruz, Zainan Victor Zhou, & Elan Houricolon-Retzler, Google

1:30PM - 2:15PM

Demo: Take Control of your Multi-Cloud PaaS and Kubernetes

Andy Leonard, Enterprise Data & Analytics

2:30PM - 3:15PM

Questions answered: Kubernetes Fundamentals and its Advanced Platform Capabilities

Bard Topol, IBM

3:30PM - 4:15PM

Impact through Innovation: Solving for Core Needs

Haya López, Optum

MODERATED CHATS

10:30AM - 11:15AM

Container Engine Experts:

Podman, Buildah, CRI-O

Daniel Walsh

11:30AM - 12:15PM

Open Policy Agent - Open Discussion

Patrick East

1:30PM - 2:15PM

Rise of Next-Gen Software Supply Chain Attacks

Brian Fox

1:30PM - 4:15PM

Demo: Take Control of your Multi-Cloud PaaS and Kubernetes

Andy Leonard, Enterprise Data & Analytics

3:30PM - 4:15PM

DevOps AMA with JFrog Developer Advocates