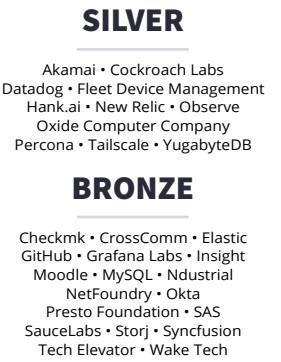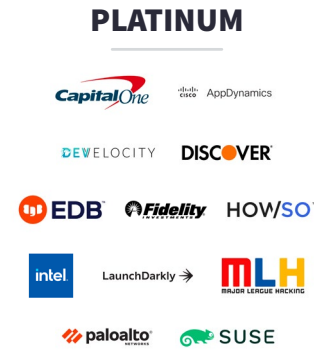# 2023

SCHEDULE
MONDAY, OCTOBER 16, 2023
RALEIGH CONVENTION CENTER / 2023.ALLTHINGSOPEN.ORG

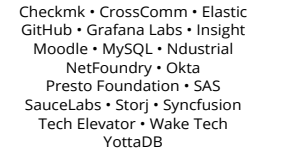**HAVE A QUESTION?**
Visit *2023.allthingsopen.org/faq* or scan the QR code for frequently asked questions.

OVERVIEW

Time	Event
7:00AM	CHECK-IN + ONSITE REGISTRATION OPENS
8:45AM	WELCOME — Todd Lewis, All Things Open
	EVENT EMCEE — Jono Bacon, Community Leadership Core
9:05AM	MORNING KEYNOTES
	LESSONS I LEARNT ON OWNERSHIP — Nithya Ruff, Amazon
	OPENNESS IS THE KEY TO GOOD CYBERSECURITY — Marten Mickos, HackerOne
	OSS IS THE KEY TO AI SUCCESS — Laurence Moroney, Google
	Title to be announced — Stephen Augustus Cisco
10:15AM	BREAK
10:30AM	BREAKOUT SESSIONS
11:15AM	BREAK
11:30AM	BREAKOUT SESSIONS
12:15PM	LUNCH & NETWORKING
12:45PM	FEATURED SESSIONS
1:30PM	BREAK
1:45PM	BREAKOUT SESSIONS
2:30PM	BREAK
2:45PM	BREAKOUT SESSIONS
3:30PM	BREAK
3:45PM	BREAKOUT SESSIONS
4:30PM	BREAK
4:45PM	AFTERNOON KEYNOTES
	THE POWER IN THE CHOICES WE HAVE — Fatima Sarah Khalid, GitLab
	CLOSING KEYNOTE — Elizabeth Digiovanni, NASA
	WRAP-UP + THANK YOU'S
5:30PM	MONDAY SOCIAL & NETWORKING — CRANK ARM BREWING, 319 West Davie Street, Raleigh, NC 27601 (a short walk from the Convention Center)
6:30PM	RIOT DEMO NIGHT SHOWCASE

RIOT DEMO NIGHT
2nd Floor
Demo Night is RIoT's largest in-person event of the year. Hear from blockbuster speakers and see 50+ live IoT demos.

Schedule made possible by **LaunchDarkly** →

Schedule App made possible by **NEON**

Monday Social made possible by **MLH — MAJOR LEAGUE HACKING**

This schedule was last updated October 13. For the most recent schedule, please visit: **2023.allthingsopen.org/schedule**

DEVOPS
Made Possible by JFrog
Ballroom A

10:30AM - 11:15AM
DPE for OSS Communities
Justin Reock, Develocity

11:30AM - 12:15PM
Istio Ambient Service Mesh Made Easy
Lin Sun, Solo.io

12:45PM - 1:30PM
FEATURED
Red Hat OpenShift as a Sandbox
Brad Bazemore Red Hat

1:45PM - 2:30PM
There's an Action for that! Exploring the possibilities of GitHub Actions
Kedasha Kerr GitHub

2:45PM - 3:30PM
Introduction to GitHub Copilot
Brent Laster, SAS and Tech Skills Transformations LLC

3:45PM - 4:30PM
Break Glass, Repair Fast, Reconcile Automation
Rosemary Wang, HashiCorp

DEVELOPER 1
Made Possible by Neon
Ballroom B

10:30AM - 11:15AM
7 Ways to Build an API that Developers Will Hate
Lauren Schaefer, Grammarly

11:30AM - 12:15PM
The Frontend Family Tree
Emma Twersky, Google

12:45PM - 1:30PM
FEATURED
Serverless PostgreSQL
Heikki Linnakangas, Neon

1:45PM - 2:30PM
Async Rust: the good, the bad, and the ugly
Steve Klabnik, Oxide Computer Company

2:45PM - 3:30PM
DevSecOps: A Love Triangle
Burr Sutter, Red Hat

3:45PM - 4:30PM
The State of Passwordless Auth on the Web
Phil Nash, Sonar

MACHINE LEARNING/AI
Made Possible by Salesforce
Ballroom C

10:30AM - 11:15AM
Jurity: State of the Art Open Source Software for AI Fairness Evaluation
Melinda Thielbar, Fidelity Investments

11:30AM - 12:15PM
Imagined Dragons: Building an Imagination-Powered Music Recommendation Platform
Eric Allen, Datadog

12:45PM - 1:30PM
FEATURED
Open Source Hot Takes
amanda casari & Mike Bufano, Google

1:45PM - 2:30PM
2 FOR 1
Annotating Log Data for Machine Learning
Julia Li, VMware
Get to know PyTorch – a cutting edge open source AI framework for Machine Learning
Sahdev Zala, IBM

2:45PM - 3:30PM
How Open Standards Can Heal the Open Wound of AI
Mark Collier, OpenInfra Foundation

3:45PM - 4:30PM
What Does the AI Revolution Mean for Open Source, Open Tech and Open Societies
Frank Karlitschek, Nextcloud

DEVELOPER 2
Made Possible by Red Hat
Room 305 A

10:30AM - 11:15AM
Speeding Up Your React App With Less JavaScript Through Qwik
Miško Hevery, Builder.io

11:30AM - 12:15PM
2 FOR 1
Angular Across the Stack with Analog
Brandon Roberts, OpenSauced
Deconstructing Compute-Storage Separation: A Hip-Hop Producer's Guide to Data Management
Joshua Alphonse, ByteDance

1:45PM - 2:30PM
User Interfaces for All: Building Accessible Applications
Bryce Curtis & Keith Smith, Discover Financial Services

2:45PM - 3:30PM
Typescript Deep Dive
Waller Goble, Microsoft

3:45PM - 4:30PM
A Beginner's Guide to Wrangling Asynchronicity in JavaScript
Raymond Camden, Adobe

DEVELOPER 3
Made Possible by AWS
Room 305 B

10:30AM - 11:15AM
Total ReDoS: The dangers of regex in JavaScript
Phil Nash, Sonar

11:30AM - 12:15PM
Weaving Microservices into a Unified GraphQL Schema with graph-quilt
Ashpak Shaikh & Lucy Shen, Intuit

1:45PM - 2:30PM
All Your Chat Belong To Ex: Building Bots in Elixir
Jamie Wright, Brilliant Fantastic

2:45PM - 3:30PM
Delightful Tests With Testcontainers
Oleg Šelajev, AtomicJar

3:45PM - 4:30PM
Using Postgres + OpenAI to power your AI Recommendation Engine
Chris Winslett, Crunchy Data

CASE STUDY/DEMO 1
Made Possible by Temporal
Room 306 A

10:30AM - 11:15AM
System Design on Easy Mode
Loren Sands-Ramshaw, Temporal

11:30AM - 12:15PM
An Innovative Approach to Giving Back to Open Source Projects That Power Your Business
Max Mizzi, Major League Hacking & Matt Dalrymple, Royal Bank of Canada

12:45PM - 1:30PM
FEATURED
What's New with rubicon-ml? Capital One's Solution for Logging the ML Lifecycle
Kishore Iyer & Ryan Soley, Capital One

1:45PM - 2:30PM
Open Source Java Frameworks: Modern Observability Practices
Wayne Brown, Cisco AppDynamics

2:45PM - 3:30PM
Bringing MongoDB workloads back to open source
Peter Farkas, FerretDB

3:45PM - 4:30PM
Building AlmaLinux OS without RHEL sources code
benny vasquez, AlmaLinux OS Founation

CASE STUDY/DEMO 2
Room 306 B

10:30AM - 11:15AM
Don't Create the 15th Standard. Learn to Collaborate
Richard Boyd, Amazon Web Services

11:30AM - 12:15PM
Detect Anything with DarkNet/YOLO
Stéphane Charette, Hank.ai

12:45PM - 1:30PM
FEATURED
The Search for Transparency and Accountability in the Age of AI:RAI & XAI as essential tools.
Ezequiel Lanza, Intel

1:45PM - 2:30PM
What the Heck are Server Sent Events?
Brian Rinaldi, LaunchDarkly

2:45PM - 3:30PM
HPCC Systems Data Lake Management
Bahar Fardanian, HPCC Systems

3:45PM - 4:30PM
The Path to Real-time Data Integration with Open Source
Josh Hicks & Eric Long, Jummpind

COMMUNITY
Made Possible by Intel
Room 306 C

10:30AM - 11:15AM
Securing Open Source Community Funding in 2023: Rewriting the Business Playbook
Jon Gottfried, Major League Hacking

11:30AM - 12:15PM
How to Design a Data-Driven Culture
Lauren Maffeo, The Pragmatic Programmers

1:45PM - 2:30PM
2 FOR 1
Open Source Insights from 11,000 Early Career Technologists
Fiona Whittington, Major League Hacking
Which technical practices naturally foster a culture of trust and accountability?
Robert Clawson, Discover Financial Services

2:45PM - 3:30PM
Are we Stewards or are we Sovereigns?
Justin Rackliffe, Fidelity Investments

3:45PM - 4:30PM
Be Nice In The Sandbox: How Open Source Gets Competitors to Collaborate
Reese Lee, New Relic, Rynn Mancuso, Honeycomb.io, Austin Parker, Lightstep from ServiceNow, & Adriana Villela, Lightsstep

---

BUSINESS
Made Possible by Passbolt
Room 307

10:30AM - 11:15AM
Enterprise vs. Open Source Marketing: When to do what!
Swarna Podila, Akshaya Strategic Consulting

11:30AM - 12:15PM
Open Source Program Offices
Jim Jagielski, Salesforce, Inc

12:45PM - 1:30PM
FEATURED
Revisting Open Source Business Models
Tarus Balog, Amazon Web Services

1:45PM - 2:30PM
2 FOR 1
The Hidden Life of Open Source
amanda casari, Google
How Many Ways Can You Fail? A Taxonomy of Corporate (in)Decision
Federico Lucifredi, IBM | Red Hat

2:45PM - 3:30PM
The Most Powerful File in Your Codebase
Allen Smith, Umbraco

3:45PM - 4:30PM
Most "Open-Source" AI Isn't. And What We Can Do About That
Dr. Chris Hazard, Howso

SECURITY
Made Possible by Google
Room 303

10:30AM - 11:15AM
Fortifying the Future: Tackling Security Challenges in AI/ML Applications
Christine Abernathy, F5, Inc.

11:30AM - 12:15PM
Ensuring API Security with Contract Testing: Tips and Best Practices
W. Ian Douglas, Postman

1:45PM - 2:30PM
Securing Your Software Supply Chain One Open Source Project at a Time
Lori Lorusso, JFrog

2:45PM - 3:30PM
Sudo – Giving access while staying in control
Peter Czanik, One Identity

3:45PM - 4:30PM
A Developer's Guide to Kubernetes Security
Gene Gotimer, Praeses

HARDWARE/IoT
Made Possible by Arm
Room 301A & B

10:30AM - 11:15AM
A Java Space Quest: Roam the Universe using sensors, hand gestures, and Arduinos
Chuck Bridgham, Harry Hoots, & Hank Ibell, IBM

11:30AM - 12:15PM
From an Artificial Nose Weekend Hack to a Future-proof IoT Device
Benjamin Cabé, The Linux Foundation

1:45PM - 2:30PM
How a Hardware Company Contributes to Open Source Software
Fen Aldrich & Ed Vielmetti, Equinix

2:45PM - 3:30PM
Reviving an Old MacBook for Home Automation: Installing Linux, Home Assistant, CasaOS, and AdGuard
Ricardo Fearing, GitHub

3:45PM - 4:30PM
Arm: It's not just for mobile anymore!
Michael Hall, Arm

LINUX
Made Possible by AlmaLinux OS Foundation
Room 302 A

10:30AM - 11:15AM
How to Make Your Software Terrible to Package
Tom Callaway, Amazon

11:30AM - 12:15PM
What is Fedora CoreOS
Dusty Mabe, Red Hat

1:45PM - 2:30PM
2 FOR 1
Syncing Your Sensitive Files
Paul Bailey, Cognitive Space
TBA

2:45PM - 3:30PM
Linux Distribution Collaboration ...on a Mainframe!
Elizabeth K. Joseph, IBM

3:45PM - 4:30PM
Bash Configuration and Usage
David Both

BIG DATA
Made Possible by HPCC Systems
Room 302 B

10:30AM - 11:15AM
Observability Data Engineering: A Story About Math, 4 Golden Signals, and Business Intelligence
Jack Neely, Palo Alto Networks

11:30AM - 12:15PM
The Day OpenAPI Became Important
Joyce Lin, Postman

1:45PM - 2:30PM
2 FOR 1
Gating Your APIs Without Lifting a Server
Garth Henson, CareAcademy
Let's Talk PayPal, Data Mesh, and Open-Source
Jean-Georges Perrin, PayPal

2:45PM - 3:30PM
Deploying Models at Scale with Apache Beam
Danny McCormick, Google

3:45PM - 4:30PM
Modeling Financial Data In Cassandra To Serve Real Time And Batch Workloads At Same Time?
Gokul Prabagaren & Nagesh Vinnakota, Capital One

CLOUD
Made Possible by Intuit
Room 302 C

10:30AM - 11:15AM
A Hitchhiker's Guide to Developing on Kubernetes
Abdel Sghiouar, Google

11:30AM - 12:15PM
OTel Me How I Can Monitor Kubernetes with OpenTelemetry
Reese Lee, New Relic

1:45PM - 2:30PM
2 FOR 1
Kconnect: A Better Way to Connect to Kubernetes Clusters
Robert Casale, Fidelity Investments
Optimizing vector search in Postgres shouldn't be this hard 😕
Raouf Chebri, Neon

2:45PM - 3:30PM
What the Heck is Edge Computing Anyway?
Austin Gil, Akamai

3:45PM - 4:30PM
Cloud Native Observability: Watching Somebody Else's Computer
Ronald McCollam, Grafana Labs

DATABASES
Made Possible by JumpMind
Room 201

10:30AM - 11:15AM
Cache Rules Everything Around Me
Matthew Groves, Couchbase

11:30AM - 12:15PM
Building Open Source Desktop GIS Plugins With QGIS, Python, and Neo4j
William Lyon, Neo4j

1:45PM - 2:30PM
Building Offline-first Applications With SQLite
Vic Vijayakumar, Twilio

2:45PM - 3:30PM
Best Practices of Running Databases on Kubernetes
Peter Zaitsev, Percona

3:45PM - 4:30PM
The $10,000 Query: A Funny Thing Happened Last Week
Matt Yonkovit, Scarf

101
Made Possible by Camunda
Room 206

10:30AM - 11:15AM
Getting the Most Out of Your Terminal with the GitHub CLI and GitHub Copilot
Christina Warren, GitHub

11:30AM - 12:15PM
Surveying the Open Quantum Landscape: Open source tools for quantum computing
Michael Maximilien, Paul Schweigert, & Iskandar Sitdikov, IBM

1:45PM - 2:30PM
Beyond the Download Button: Lessons Learned from Analyzing 1 Billion Open Source Downloads
Avi Press, Scarf

2:45PM - 3:30PM
The Definition of Success in Open Source
Brian Douglas, OpenSauced

3:45PM - 4:30PM
Scaling an Open Source Sponsorship Program
Mike Fix & Carol Huang, Stripe

BLOCKCHAIN/WEB3
Room 304

10:30AM - 11:15AM
Smart Contracts Need Programability
Gabriel Barros, Cartesi

1:45PM - 2:30PM
How to Write & Deploy a Smart Contract
Anastasia Lalamentik, Kaleido

3:45PM - 4:30PM
Hacking Decentralized RPC
Bernhard Borges, Fluence