SCHEDULE

TUESDAY, OCT. 15, 2019

RALEIGH CONVENTION CENTER / ALLTHINGSOPEN.ORG

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SECURITY KEY: ato2019!
The security type (if prompted) is WPA2-AES-PSK
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8:00AM REGISTRATION
9:00AM WELCOME KEYNOTE
Todd Lewis, All Things Open

9:15AM KEYNOTES

People Power
Jono Bacon, Jono Bacon Consulting
How to be Encouraging and Welcoming to New Contributors
Kent C. Dodds, TestingJavaScript.com
The Thing About Burnout
Ashley McNamara, Microsoft
My Personal Journey Around Diversity
Kohsuke Kawaguchi, CloudBees
Oops-I guess we're full-stack developers now
Chris Coyier, CodePen

10:35AM BREAK
10:45AM BREAKOUT SESSIONS
11:30AM BREAK
11:45AM BREAKOUT SESSIONS
12:30PM LUNCH
12:45PM LIGHTNING TALKS
Opensouce.com

1:00PM BREAKOUT SESSIONS
2:00PM BREAK
2:15PM BREAKOUT SESSIONS
3:00PM BREAK
3:15PM BREAKOUT SESSIONS
4:00PM BREAK
4:15PM BREAKOUT SESSIONS
5:00PM BREAK
5:15PM CLOSING KEYNOTE
Todd Lewis, All Things Open

5:30PM FAREWELL SOCIAL

WORKSHOPS & EXTENDED SESSIONS

Vue Vixens Workshop - Vuex
Maria Lamardo, Pendo / Room 305A / 8:00am
**please note separate registration is required*

MARRIOTT BALLROOMS
Go down to 2nd floor of Convention Center
Follow signs to Marriott / Take escalator up / Ballrooms on right

Developer Workflow Automations with GitHub Actions, hosted by GitHub
Brian Douglas, GitHub / Chancellor Room / 10:45am
Deploying and Scaling your first Cloud Application, hosted by AWS
Mike Coleman, AWS / State Ballroom A / 10:45am
Using Service Meshes Workshop
Lee Calcote, Layer5 / State Ballroom B / 10:45am
Programming in Kotlin
Dr. Venkat Subramaniam, Agile Developer, Inc / State Ballroom A / 2:15pm
Big Data Made Easy with Spark
Jean Georges Perrin, Oplo / State Ballroom B / 2:15pm

FRONT-END DEVELOPER — BALLROOM C

10:45AM-11:30AM Automated Testing JavaScript — Dr. Venkat Subramaniam, Agile Developer, Inc.
11:45AM-12:30PM Those Who Can Do Should Also Teach — Ali Spittel, Dev.to
1:00PM-2:00PM The Magical Living Room — Saron Yitbarek, CodeNewbie
2:15PM-3:00PM Managing an Open Source Project — Kent C. Dodds
3:15PM-4:00PM Performance & MiniProfiler: The More You Know, The Faster You Go — Nick Craver, Stack Overflow
4:15PM-5:00PM Deep Learning at the Edge with TensorFlow.js — Bradley Holt & va barbosa, IBM

DEVOPS — BALLROOM A

10:45AM-11:30AM Hygieia - Building Observability into Your DevOps Workflow — Tyler Bell, Capital One
11:45AM-12:30PM GitOps, Jenkins X & the Future of CI/CD — Kohsuke Kawaguchi, CloudBees
2:15PM-3:00PM CI/CD for Machine Learning — Sasha Rosenbaum, Microsoft
3:15PM-4:00PM An Emerging Architecture Pattern for Agile Integration: Cell-based Architecture — Asanka Abeysinghe, WSO2, Inc.
4:15PM-5:00PM Test Automation without Assertions — Jeremias Rößler, ReTest GmbH

MACHINE LEARNING — ROOM 301A

10:45AM-11:30AM Using Open Source Tools for Machine Learning — Samuel Taylor, Indeed
11:45AM-12:30PM K-Means for Anomaly Detection — Anais Dotis-Georgiou, InfluxData
2:15PM-3:00PM Open Source: Accelerating Innovation in the AI Market — Ibrahim Haddad, LF AI Foundation
3:15PM-4:00PM Training AI in Unity: An Introduction — Mike Harris, CrossComm
4:15PM-5:00PM AI, Sherlock Holmes style - Introduction to automated Abductive Inference — Phillip Rhodes, Fogbeam Labs

BIG DATA — ROOM 301B

10:45AM-11:30AM Data Science with Apache Spark — Jerome Nilmeier, IBM
11:45AM-12:30PM Deploying your first dbt project with GitLab CI — Emilie Schario, GitLab
2:15PM-3:00PM Hurry Up and Wait: The Blue Cross journey to same day experiments and big data super powers. — Glenn Bernstein & Robert Emerson, Blue Cross and Blue Shield of North Carolina (BCBSNC)
3:15PM-4:00PM Search as the new Data Warehouse — Grant Ingersoll, Wikimedia Foundation

CLOUD — ROOM 302A

10:45AM-11:30AM Modernizing .NET Applications with Docker Containers — Steven Follis, Docker Inc.
11:45AM-12:30PM Deploy & manage apps across multiple Kubernetes clusters by extending Kubernetes — Rajashree Mandaogane, Rancher Labs
2:15PM-3:00PM Launching the Micro Future: Grails and Micronaut — Jeff Scott Brown, Object Computing, Inc
3:15PM-4:00PM I hear you like meshes, here's a mesh to connect your meshes — John Joyce, Cisco
4:15PM-5:00PM Seamless Cloud-Native Apps with gRPC-Web and Istio — Venil Noronha, VMware, Inc.

HARDWARE / IOT — ROOM 302B

10:45AM-12:30PM How Friends Hack Cars. And Stuff. — Lori Wachter, Advance Auto Parts, Devin Shackle, & Garrett Bladow, Dragos
11:45AM-12:30PM Telcos aren't the future. You are. — Coco Tang, Helium
2:15PM-3:00PM Walley: From Weekend Prototype to Nationally Deployed IoT Device — Hampton Catlin, Rent the Runway
3:15PM-4:00PM Bending the IoT to your will with JavaScript — Brandon Satrom, Particle
4:15PM-5:00PM Opening the IoT Edge — Michael Hall, EdgeX Foundry

SECURITY — ROOM 302C

10:45AM-11:30AM Prescriptive System Security with InSpec — Mandi Walls, Chef Sotware
11:45AM-12:30PM Securing your Container Environment with Open Source — Michael Ducy, Sysdig
2:15PM-3:00PM Open Source Software: Please Build Responsibly — Brian Fox & Derek Weeks, Sonatype
3:15PM-4:00PM The Case for Chaos testing — Peter Lamar, Software AG
4:15PM-5:00PM Securing the Development Supply Chain — Wes Widner, Crowdstrike

LINUX / INFRASTRUCTURE — ROOM 303

10:45AM-11:30AM Istio + Envoy: Enabling Sidecars for Microservices — Angela Chin, Pivotal
11:45AM-12:30PM Finding the forest through the trees: Building observability infrastructure with 100% Open Source — David Grizzanti, Comcast
2:15PM-3:00PM Platform Agnostic and Self Organizing Software Packages — Nell Shamrell-Harrington, Chef Sotware
3:15PM-4:00PM What you most likely did not know about sudo... — Peter Czanik, Balabit
4:15PM-5:00PM Smart ALEC - Architecture for Learning Enabled Correlation — Jesse White, The OpenNMS Group

BLOCKCHAIN — ROOM 304

10:45AM-11:30AM Blockchain and Open Source — Jim Jagielski
11:45AM-12:30PM Every Startup in the Blockchain: API Monetization with Smart Contracts — Fernando Ribeiro, Oracle
2:15PM-3:00PM Enterprise Blockchain: Lessons from Global Innovators in Production — Peter Broadhurst, Kaleido
3:15PM-4:00PM Understanding Blockchain Compliance and Regulations — Katherine Johnson, Storj Labs

101 — ROOM 305A

10:45AM-11:30AM Open Clouds: The New Primitives in Enterprise IT and Mobile Networks — Mark Voelker, WMware, Inc.
11:45AM-12:30PM An Introduction to Kubernetes Functionality and an Update on the Kubernetes Conformance Certification Program — Brad Topol, IBM
2:15PM-3:00PM Keeping Secrets: What You Need to Know about Encryption — DeeDee Lavinder, Spreedly
3:15PM-3:35PM Non-Code Contributors Guide To Open Source — Dave Strebel, Microsoft
4:15PM-5:00PM How Developers Self-sabotage Their Learning (and what to do instead) — Tori Hall, commercetools

BACK-END DEVELOPER — ROOM 305B

10:45AM-11:30AM GraphQL: From Graph Theory to Impelementation — Haley Creech, Terazo
11:45AM-12:30PM Polly Want a Message — Sandi Metz, TorqueForge
2:15PM-3:00PM Advanced Git - Functionality and Features — Brent Laster, SAS
3:15PM-4:00PM SOLID Principles in Action: from Slack to Twilio — Micah Silverman, Okta
4:15PM-5:00PM Blueprint for Serverless Microservices — James Luterek, commercetools

UI/UX DESIGN — ROOM 306A

8:00AM-9:00AM SEE WORKSHOPS
Vue Vixens Workshop - Vuex — Maria Lamardo, Pendo
10:45AM-11:30AM SEE FEATURED SESSIONS
Main Stage / Ballroom B
11:45AM-12:30PM Designing for crisis — Eriol Fox, Ushahidi, & Justin Scherer, Hover Developer Services Inc.
2:15PM-3:00PM The Main Role of Animations in User Interfaces — Vanessa Alverez, Alkami Technology
3:15PM-4:00PM Of Mice and BEM: Common Hangups and Paths Toward Mastery — Philip Zastrow, Sparkbox
4:15PM-5:00PM Crafting a UX Strategy — Bermon Painter, EY Digital

PROGRAMING LANGUAGES — ROOM 306B

10:45AM-11:30AM Groovy For Java Developers — Jeff Scott Brown, Object Computing, Inc
11:45AM-12:30PM Hidden Dragons of CGO — K.S. Bhaskar, YottaDB
1:00PM-2:00PM The Pragmatic Programmer 20th Anniversary Edition: Q&A and book signing — Andy Hunt, Pragmatic Programmers
2:15PM-3:00PM Taming Styles of Python Programming — Jigyasa Grover, Twitter, Inc.
3:15PM-4:00PM WebAssembly: Revolution, Not Evolution — John Feminella, Pivotal
4:15PM-5:00PM Reactive Tweets — Orlando Valdez, Red Ventures

FRONT-END ENGINEERING — ROOM 306C

10:45AM-11:30AM The Metric System: Making Correct Performance Measurements. — Henri Helvetica
11:45AM-12:30PM Shaping Up WITHOUT Angular JS — David Rogers, Grove Collaborative, & Jake Dohm, Good Work
1:00PM-2:00PM A Radical New Approach to Building User Interfaces — Jerod Santo, Changelog Media
2:15PM-3:00PM Possibilities of Headless CMS for the Spatial Computing Future of the Web — Anthony Burchell, WP Engine
3:40PM-4:00PM Mobile Apps: To SQL or Not to SQL — Austin Gonyou, Couchbase
4:15PM-5:00PM @pika/web and a brief history of ES Modules — Drew Powers, Manifold

MOBILE DEVELOPER — ROOM 307

10:45AM-11:30AM From Robotium to Appium: Choose your Journey — Dmitry Vinnik
11:45AM-12:30PM From Cross Platform to Cross Framework — Mike Hartington, Ionic
2:15PM-3:00PM Mobile testing and Testability — Isaac Murchie, Sauce Labs
3:15PM-4:00PM Should your mobile app be a PWA? — Tom Wilson, Tabula Rasa HealthCare, Inc
4:15PM-5:00PM Behavior driven development with the Spek Framework — Fred Medlin, Sittercity

COMMUNITY — ROOM 206

10:45AM-11:30AM Passing the Baton: Succession planning for FOSS leadership — VM Brasseur, Juniper Networks
11:45AM-12:30PM Craft as in Beer: The Value of Community — Aaron Aldrich, Elastic
1:00PM-2:00PM Demystifying Distributed Work: Tips and tools for modern teams — Cami Kaos, Automattic
2:15PM-3:00PM Sick of Silos? Git busy and create cross-functional teams by launching open source programs in your organization — Shilla Saebi & David Grizzanti, Comcast
3:15PM-4:00PM Breaking Into Tech: From The Trenches — Mo Hampton, General Dynamics IT
4:15PM-5:00PM Convergence of Communities — Daniel Izquierdo, Bitergia, & Diane Mueller, Red Hat

CASE STUDY / DEMO — ROOM 205

10:45AM-11:30AM State of the OSU Open Source Lab — Lance Albertson, OSU Open Source Lab
11:45AM-12:30PM SAS Analytics in Hybrid Cloud with Red Hat OpenShift — Bryan Harris, SAS, & Steven Huels, Red Hat
1:00PM-2:00PM Virtual Robot Competitions: Advancing the Robotics Industry — Ian Chen, Open Robotics
2:15PM-3:00PM Using Open Source to Enable Industrial Data Science Across Industries — John Crawford, ndustrial.io
3:15PM-4:00PM How to Use Sysdig to Enhance the Value from Prometheus — Gary Hutchins, Sysdig
4:15PM-5:00PM Delivering Enterprise Data Protection and Delivery Services across the Hybrid and Multi-Cloud ecosystem for Enterprise and Cloud Native applications in the Open Source context. — Andrew Grimes, Cohesity

DATABASES — ROOM 204

10:45AM-11:30AM Contributing to Open Distro For Elasticsearch — Alolita Sharma, Amazon Web Services
11:45AM-12:30PM Implementing MySQL Database-as-a-Service using open source tools — Matthias Crauwels, Pythian
2:15PM-3:00PM Connected Data & the Graph Database Landscape — Greg Jordan, Graph Story
3:15PM-3:35PM Intro to Using Spatial Data in Open Source Databases — Brandon Herrington, Wake County, NC GIS
3:40PM-4:00PM Mapping the NoSQL Schema for a Nation-Scale Electronic Health Record System for SQL Access — Christopher Edwards, YottaDB, LLC
4:15PM-5:00PM Introduction to SQL++ for Big Data: Same Language, More Power — Matthew Groves, Couchbase

GAMING — ROOM 203

10:45AM-11:30AM Blender has joined the game! Bridging the creative worlds of FOSS and commercial game development — Mike Erwin, Gawain Industries
11:45AM-12:30PM Command Line Heroes Arcade: A Practical Guide to Open Game Development — Jared Sprague, Red Hat
2:15PM-3:00PM Modern Minecraft Modding — Ryan Michela, Salesforce
3:15PM-4:00PM Storytelling 101 — Kevin Sonney, Elastic, & Cassandra Khaw, Ubisoft Montreal

EDUCATION — ROOM 202

10:45AM-11:30AM Turn Up The Fun (Gamifying Education) — Veethika Mishra, Red Hat
11:45AM-12:30PM Meet Miles! - How two parents are raising a minority child to be a future developer with strong STEM skills — Jannaeé Sick, MedThink Inc., & Michael Sick, Independent Consultant
2:15PM-3:00PM Continuous Learning for Developers — Brian MacDonald, DigitalOcean
3:15PM-3:35PM How to Set Up a Basic Computer Lab to Teach Kids Linux — Don Watkins, Opensource.com
3:40PM-4:00PM Humanitarian FOSS - An Attactive Entry Point for Diversifying the Open Source World — Heidi Ellis, Western New England University, & Gregory Hislop, Drexel University
4:15PM-5:00PM Enthusiastic "Yes!" in Mathematics Education — Maria Droujkova & Dmitri Droujkov, Natural Math

BUSINESS — ROOM 201

10:45AM-11:30AM Sustaining FOSS Projects By Democratizing The Sponsorship Process — Duane OBrien, Indeed
11:45AM-12:30PM Selecting an Open Source License and Business Model for Your Project to Have a Chance at Success! — Gilles Gravier, Wipro Technology
2:15PM-3:00PM Your Company Cares About Open Source Sustainability. But Are Your Measuring and Encouraging Upstream Contributions? — Dani Gellis, Indeed
3:15PM-4:00PM Don't Go Bankrupt! Managing Technical Costs — Chris Krycho, LinkedIn
4:15PM-5:00PM Website Accessibility and Risk: How to address the WCAG requirements from a design, development, and legal perspective. — Edward Pritchard, Promet Source

FEATURED SESSIONS — MAIN STAGE/ BALLROOM B

10:45AM-11:30AM Oops - I guess we're full stack developers now Q&A — Chris Coyier, CodePen
12:45PM-2:00PM Opensource.com Lightning Talks

FAREWELL SOCIAL at BOXCAR BAR & ARCADE
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Made possible by WP engine
Each attendant will receive* 1 FREE Drink Ticket 2 FREE Game Tokens
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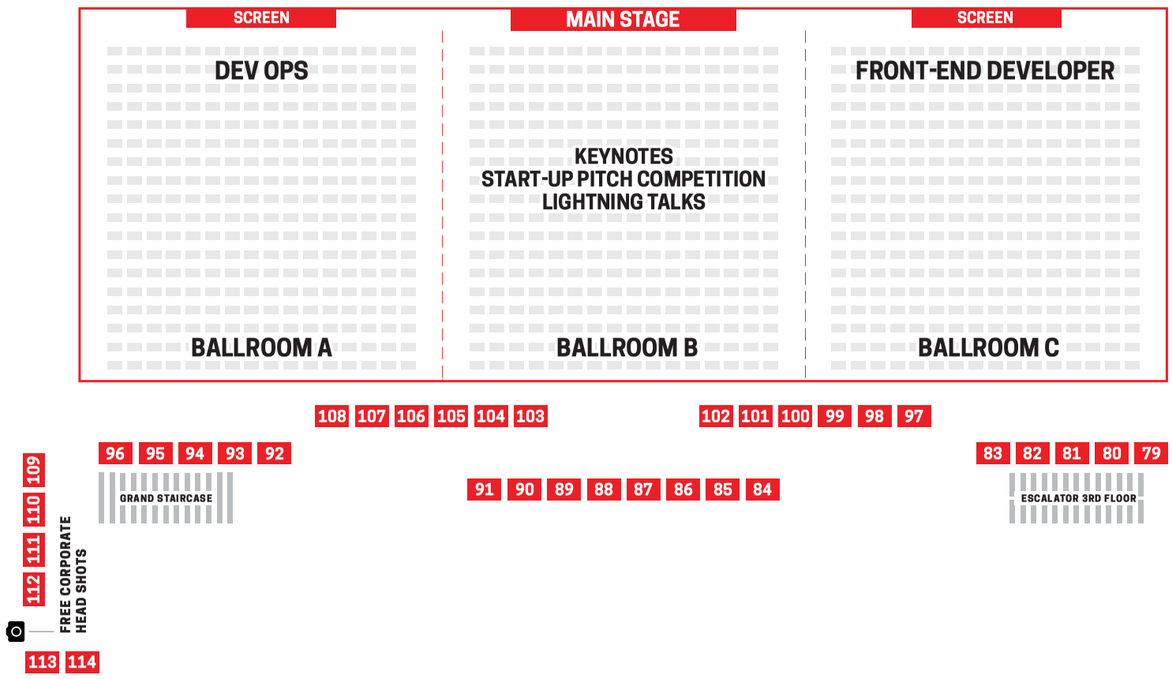
4TH FLOOR



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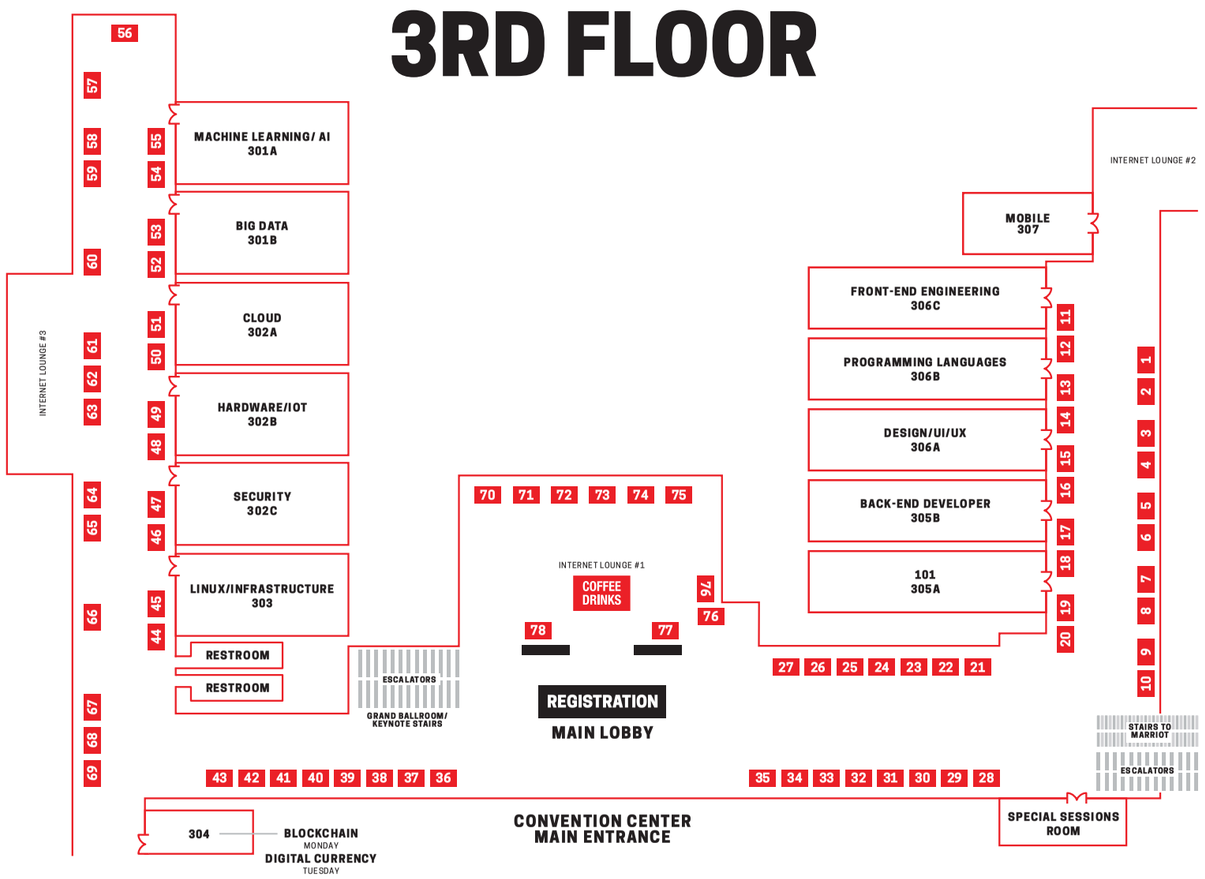

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