



SCHEDULE

MONDAY, OCT. 14, 2019

RALEIGH CONVENTION CENTER / ALLTHINGSOPEN.ORG

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7:00AM REGISTRATION
9:00AM WELCOME KEYNOTE
Todd Lewis, All Things Open

9:15AM KEYNOTES
Decoding The Human Condition,
Jono Bacon, Jono Bacon Consulting
Does Tech Really Have a Pipeline Problem? Exploring Diversity & Inclusion
Tracy Lee, This Dot Labs
Amazon's Commitment to Open Source
Arun Gupta, Amazon
Machine Learning for All
Erica Stanley, SalesLoft
Building High Performance Teams Across Cultures
Emma Wedekind, LogMeIn

10:30AM BREAK
10:45AM BREAKOUT SESSIONS
11:30AM BREAK
11:45AM BREAKOUT SESSIONS
12:30PM LUNCH
12:45PM STARTUP PITCH COMPETITION
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
5:10PM CLOSING KEYNOTES

Fireside Chat with Chris Wright, Red Hat CTO
Chris Wright, Red Hat
Closing Keynote,
Todd Lewis, All Things Open

5:30PM EVENING SOCIALS

FRONT-END DEVELOPER BALLROOM C 10:45AM-11:30AM Foundations of Design Systems Emma Wedekind, LogMeIn 11:45AM-12:30PM Internationalize your Web App with GlobalizeJS Alolita Sharma, Amazon Web Services 1:00PM-2:00PM Lightning Chats on the JS Party Podcast: Watch an episode of JS Party taped live! Hosted by Jerod Santo of JS Party Jerod Santo, Changelog Media 2:15PM-3:00PM Navigating the React Ecosystem Ben Illegbodu, Eventbrite 3:15PM-3:35PM A Skeptic's Intro to the JAMStack Shawn Wang, Netlify 3:40PM-4:00PM Perceived Performance, and Why it Matters Indira Pranabadi, Vistaprint 4:15PM-5:00PM Achievement Unlocked: Drive development, increase velocity, and write blissful tests with Cypress Brian Mann, Cypress.io	DEVOPS BALLROOM A 10:45AM-11:30AM Everything as Code with Terraform Rosemary Wang, HashiCorp 11:45AM-12:30PM Avengers Assemble - The Thanos Incident Matty Stratton, PagerDuty 1:00PM-2:00PM Banks and Open Source: Hell has officially frozen over Gabriele Colombo, FINOS 2:15PM-3:00PM Exemplars, Leggards, and The Cautious: a data-driven look at high-velocity software development practices Derek Weeks, Sonatype 3:15PM-3:35PM The Crazy Service Mesh Ecosystem Lin Sun, IBM 3:40PM-4:00PM DevOps As Engineer Empowerment Sam Handler, Ponderosa.io 4:15PM-5:00PM Scaling Kafka in the Cloud Heikki Nousiainen, Aiven	MACHINE LEARNING ROOM 301A 10:45AM-11:30AM Scalable and Repeatable Machine Learning pipelines: A key requirement for your ML project Nick Harvey, Pachyderm 11:45AM-12:30PM What is your ML score? Tania Allard, Microsoft 2:15PM-3:00PM Beam me up: Voyaging into Big Data Michele Titolo, Square 3:15PM-3:35PM Deploying Machine Learning Models - Serverless and Container Design Patterns Dan Zaratsian, Google 3:40PM-4:00PM How do you get Started Doing AI? Gordon Hoff, Red Hat 4:15PM-5:00PM Training Your First Neural Network with Keras Sachin Solkhan, Fidelity Investment	BIG DATA ROOM 301B 10:45AM-11:30AM Wait what? Postgresql can do that? Steve Pousty, Crunchy Data Solutions, Inc. 11:45AM-12:30PM Walking Around the Data Lake Fatima Naqul, Fidelity Investments 2:15PM-3:00PM Deploying Machine Learning Models - Serverless and Container Design Patterns Dan Zaratsian, Google 3:40PM-4:00PM The Future of Data Pipelines John Hammink, Aiven.io 4:15PM-5:00PM From Big Data to Action: How To Break Out of the Silos and Leverage Data Governance for Your Organization John Mertic, The Linux Foundation, & Chris Replogle, SAS	CLOUD ROOM 302A 10:45AM-11:30AM Weave Your Microservices with Istio Lin Sun, IBM 11:45AM-12:30PM Overcoming KubeSprawl for Fun and Profit Matt Jarvis, Mesosphere 2:15PM-3:00PM Developing intelligent robots with AWS RoboMaker Alejandra Novack, AWS 3:15PM-4:00PM Deploying Enterprise Open Source Software in the Cloud Daniel Ryan, ProcessMaker 4:15PM-5:00PM Knative: Cuckoo for Kubernetes Burr Sutter, Red Hat	HARDWARE / IOT ROOM 302B 10:45AM-11:30AM Raspberry Pi is a Gateway Drug for GPUs Ray Hightower, 8th Light 11:45AM-12:30PM Building your own open-source voice assistant Wes Widner, CrowdStrike 2:15PM-3:00PM The Ethics Behind Your IoT Molly de Blanc, GNOME Foundation 3:15PM-3:35PM Building a Digital Twin with Sensor Data David Simmons, InfluxData 3:40PM-4:00PM OpenSync: Open Source for Cloud to Device Enabled Services Bill McFarland, Plume 4:15PM-5:00PM Hardware Hacking 101: Rogue Keyboards and Spy Cables Federico Lucifredi, Red Hat	SECURITY ROOM 302C 10:45AM-11:30AM Securing Applications and Pipelines on a Container Platform Back to talks Veer Muchandi, Red Hat 11:45AM-12:05PM An Introduction to PASETO Tokens Randall Degges, Okta 12:10PM-12:30PM Don't Ignore those GitHub Security Alerts. Automate them into your workflow. Rosalie Bartlett, Verizon Media 2:15PM-3:00PM Preparing for the Zero Day Attack Eric Starr, Optum 3:15PM-4:00PM Securing Severless by Breaking In Hayley Denbraver, Snyk 4:15PM-5:00PM Insecurities and Vulnerabilities: How to Keep the National Vulnerability Database Current Rob Tompkins, Apache Software Foundation	LINUX / INFRASTRUCTURE ROOM 303 10:45AM-11:30AM Terminal Velocity: Work faster in your shell Christopher Waldon, IBM 11:45AM-12:05PM The future of Linux distros in the cloud Jose Miguel Parrilla, Microsoft 12:10PM-12:30PM Using eBPF for Linux Performance Analyses Peter Zaitsev, Percona 2:15PM-3:00PM Building an Application Market for Linux Sriram Ramkrishna, Optum 3:15PM-4:00PM Practical ZFS Jim Salter, Ars Technica 4:15PM-5:00PM Getting Started with Flatpak Klaatu Einzelganger, Slackmedia	BLOCKCHAIN ROOM 304 10:45AM-11:30AM SEE FEATURED SESSIONS Main Stage / Ballroom B 11:45AM-12:05PM Building Diverse Blockchain Communities for a Decentralized Future Jocelyn Matthews, Storj Labs 12:10PM-12:30PM Lies, Damned Lies, and Blockchains John Feminella, Pivotal 1:00PM-2:00PM Enterprise Blockchain Driven by Open Source Jerry Cuomo IBM 2:15PM-3:00PM Advanced Blockchain Technologies on Privacy and Scalability Jim Zhang, Kaleido 3:15PM-4:00PM Architecting a Blockchain Solution for Hyperledger Fabric Bobbie Cochrane, IBM 4:15PM-5:00PM Hyperledger Ursa - Crypto Library for All David Huseby, Linux Foundation - Hyperledger	101 ROOM 305A 10:45AM-11:30AM How to Navigate the New World of Open Source Licensing Diana Hsieh, Timescale 11:45AM-12:05PM Web Accessibility with VueJS Maria Lamardo, Pendo 12:10PM-12:30PM Building Stronger Teams: Diversity and inclusion, Pipeline and Retention Lisa Smith, Women Who Code 2:15PM-3:00PM Contributing to Kubernetes - A quick guide to get started Jonas Rosland, VMware, & Guinevere Saenger, GitHub 3:15PM-4:00PM Good code documents itself and other lies: changing work culture through documentation Tania Allard, Microsoft 4:15PM-5:00PM Open Source Quantum Computing Sean Dague, IBM	BACK-END DEVELOPER ROOM 305B 10:45AM-11:30AM useSubscription: A GraphQL Game Show Alex Banks, Moon Highway 11:45AM-12:05PM Using Open Source Principles to Minimize Software Risk Amanda Brock, Trustable Software 12:10PM-12:30PM API Gateways are Going Through an Identity Crisis Christian Posta, Solo.io 3:15PM-4:00PM Continual Delivery with Maven Microrepos Jesse Glick, CloudBees 4:15PM-5:00PM Cleaner Code Through Test-Driven Development Jackie Goldschmidt, Terazo
UI/UX DESIGN ROOM 306A 10:45AM-11:30AM Humans vs Design at Scale Inayaili de Leon, Microsoft 11:45AM-12:30PM Ten Lessons Learnt to Drive and Transform Open Source Software User Experience, and How to Get There. Piet Kruihof, IBM, Ju Lim, Red Hat, & Melissa Meingast, Hewlett Packard Enterprise 2:15PM-3:00PM It's Spelled 'Accessibility', not 'Disability' Scott Davis, ThoughtWorks 3:15PM-3:35PM Guidelines on Designing for Accessibility in UX Design Christiana Uaeze 3:40PM-4:00PM Up your Game with the Power of the Right Brain Hannah Magnan, Bandwidth 4:15PM-5:00PM Intro to React Justin Reock, Rogue Wave Software	PROGRAMING LANGUAGES ROOM 306B 10:45AM-11:30AM Pinball Elixir Adrian P. Dunston, Digital Turbine 11:45AM-12:05PM Reactive for the Impatient - A Gentle Intro to Reactive Programming and Systems (Java Edition) Mary Grygleski, IBM 12:10PM-12:30PM Reading Statically Typed Code, for the Self Taught Scripiter Andrew Grangaard 2:15PM-3:00PM Kotlin For Java Developers Christopher Neugebauer, AlphaSights 3:15PM-4:00PM The New York Times: Sustainable Systems, Powered by Python Michael Laing & Sharon Tartarone, New York Times 4:15PM-5:00PM Old Dogs & New Tricks: What's New with Perl5 This Century John Anderson, Infinity Interactive	FRONT-END ENGINEERING ROOM 306C 10:45AM-11:30AM Authstronomy: The Science of Web Authentication Kim Maida, Auth0 11:45AM-12:05PM STAR Apps: Design Systems, TypeScript, Apollo GraphQL, and React Shawn Wang, Netlify 12:10PM-12:30PM Zero to Eighty: Getting your testing initiative off the line Nicole Tibaldo, CircleCI 2:15PM-3:00PM Machine Powered Refactoring: Leverage AST's to Push your Legacy Code (& the Web) Forward Amal Hussein, Bocoup 3:15PM-3:35PM Why the next business app you build will be a PWA Marcus Hellberg, Vaadin 3:40PM-4:00PM Identifying and Profiling Web Performance Bottlenecks Mike Herchel, Lullbot 4:15PM-5:00PM React Under the Hood: Understanding React's UI Rendering Process Anthony Garritano, CrossComm	MOBILE DEVELOPER ROOM 307 10:45AM-11:30AM Building resilient mobile apps with NoSQL Austin Gonyou, Couchbase 11:45AM-12:05PM Designing and Debugging Mobile Apps with an Embeddable, Scriptable Web Server Matthew Burke, Capital One 12:10PM-12:30PM Use Cognitive capabilities with iOS Core ML Victor Shinya, IBM 2:15PM-3:00PM Why a Native Mobile App Should be part of your IoT Roadmap DeShawn Brown, Lithios Apps 3:15PM-4:00PM Open Source XAML Takes You Places! Sam Basu, Progress Software 4:15PM-5:00PM Getting Started with Xplat for Cross Platform Nativescript+Angular Development James Spivey, Shutterstock	COMMUNITY ROOM 206 10:45AM-11:30AM Onboarding Open Source contributors: frame of mind and inclusion Anna Iosif & Romina Suarez, Ushahidi 11:45AM-12:05PM Community Metrics: More than the sum of its parts Matthew Broberg, Red Hat 12:10PM-12:30PM Does Your Open Source Work Need a Third Place? Jory Burson, OASIS Open Projects 1:00PM-2:00PM Burnout and Balance Jessica Rose, Mozilla 2:15PM-3:00PM Not Your Average Mentoring Talk Josh Berkus, Red Hat, & Paris Pittman, Google 3:15PM-3:35PM Rewriting the Docs: Field notes from the radical IT department Camille Acey, Nylas 3:40PM-4:00PM Why and How to Plan an Awesome Meetup John Coghlan, GitLab 4:15PM-5:00PM Gender, Poverty, and Race in Technology Dr. Rochelle Newton, Duke University School of Law	CASE STUDY / DEMO ROOM 205 10:45AM-11:30AM Training the Next Generation of Open Source Developers Jeremy Garcia & Ilan Rabinovich, Datadog 11:45AM-12:30PM Netflix and FreeBSD: Using Open Source to Deliver Streaming Video Jonathan Looney, Netflix 2:15PM-3:00PM Automate and scale your decision making with analytics Ben Sloane, SAS 3:15PM-4:00PM How to be a Developer Advocate for Open Source Cami Williams, Facebook 4:15PM-5:00PM Mattermost's Approach to Layered Extensibility in Open Source Corey Hulén, Mattermost	DATABASES ROOM 204 EXTENDED SESSION 10:45AM-12:30PM Intro to MongoDB Lauren Schaefer & Ken Alger, MongoDB 1:00PM-2:00PM MySQL 8.0 New Features Dave Stokes, Oracle EXTENDED SESSION 2:15PM-4:00PM Don't Forget the Elephant Keith Fiske, Crunchy Data Solutions, Inc 4:15PM-5:00PM Debugging the Postgres Planner Melanie Plageman, Pivotal	OPEN GOVERNMENT / OPEN DATA ROOM 203 10:45AM-11:30AM Open-sourcing JavaScript at the City of Amsterdam Roy Derks, City of Amsterdam 11:45AM-12:05PM Opensource Web Platform Serves Open Data for Large Federal Government Agency- GAO Chris O'Donnell, Promet Source 12:10PM-12:30PM Finding and Exploring ADS-B Data Nathan Walls, VitalSource Technologies 1:00PM-2:00PM Open Source in Government: What We Have Learned Amin Mehr, GSA 2:15PM-3:00PM Open Source is Erasing State Boundaries Nikhil Deshpande, State of Georgia 3:15PM-4:00PM Save the World from Your Couch with Open-Source Mapping Leila Alderman, Speedily 4:15PM-5:00PM Open data: The new oil fueling civic tech Jason Hibbets, Red Hat	START-UP ROOM 202 10:45AM-11:30AM How to Bootstrap your Saas Startup with Open Source Tools Ramu Pulipati, botspplash 11:45AM-12:30PM Standing on the Shoulders of Giants Lee Faus, Armory.io 2:15PM-3:00PM Why Your Startup Should Leverage the Long Term Value of Data Kevin Feeney, DataChemist 3:15PM-4:00PM Why I Forked My Own Project and My Own Company Frank Karlistschek, Nextcloud 4:15PM-5:00PM Building a Messaging Startup in 2019 Brenden Matthews, Umpyre	BUSINESS ROOM 201 10:45AM-11:30AM Fostering Collaboration Across Cultures Joseph Haden Chomphosy, Automattic 11:45AM-12:30PM Nurturing Developer Communities & Feeding Sales: Can they be BFFs? Cultivating Respectful Relationships for Mutual Success Laura Czajkowski, Nexmo 1:00PM-2:00PM Innovation at scale - key drivers and pitfalls to building API driven agile business platforms Mifan Careem, WSO2 2:15PM-3:00PM Companies and Communities: Why can't we all just get along Nithya Ruff, Comcast, & Deb Nicholson, Software Freedom Conservancy 3:15PM-4:00PM Making the Business Case for Contributing to Open Source Tobie Langel, Unlock Open LL 4:15PM-5:00PM Rethinking Open Source in the Age of Cloud Michael Ducey, Sysdig	FEATURED SESSIONS MAIN STAGE/ BALLROOM B 10:45AM-11:30AM Divergence and Convergence in the Open Source Blockchain Community John Wolpert, ConsenSys, Jerry Cuomo, IBM, & Joe Lubin, ConsenSys 1:00PM-2:00PM Diversity and Inclusion Best Practices: A panel discussion Tracy Lee, This Dot Labs, & Nithya Ruff, Comcast

WORKSHOPS & EXTENDED SESSIONS

MARRIOTT BALLROOMS

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

Open Distro for Elasticsearch HackDay, hosted by AWS
State Ballroom A / All day hackathon
*please note separate registration is required

Introduction to Face Processing with Computer Vision
Gabriel Bianconi, Scalar Research / State Ballroom B / 10:45am

SQL Back - How advances in data platforms and tools has made building SQL-oriented, high-scale data architectures possible and practical
Michael Sick, Independent Consultant / Congressional Ballroom A / 10:45am

Developer Workflow Automation with GitHub Actions, hosted by GitHub
Brian Douglas, GitHub / Congressional Ballroom B / 10:45am

Plan, Build and Run Cloud-native Applications for Digitally Driven Businesses, hosted by WS02
Laslo Pastor, WS02 / Chancellor Room / 10:45am

Building Recommendation Engines & Deep Learning Models using Python R & SAS
Ari Zitin & Robert Blanchard, SAS / State Ballroom B / 2:15pm

Writing Tutorial: Using blogging and great documentation to grow your open source project
Ali Spittel, Dev.to / Congressional Ballroom A / 2:15pm

Introduction to Containers: From Docker to Kubernetes and everything in-between
Brent Laster, SAS / Congressional Ballroom B / 2:15pm

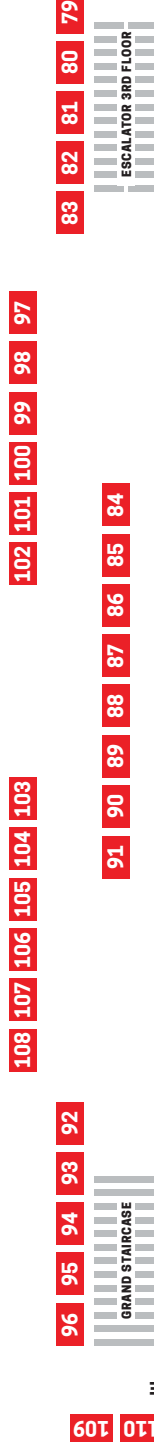
MongoDB Atlas Training, hosted by MongoDB
Matt Grogan, MongoDB / Chancellor Room / 2:15pm
*please note separate registration is required

EVENING SOCIALS

Onsite at the Raleigh Convention Center
and at
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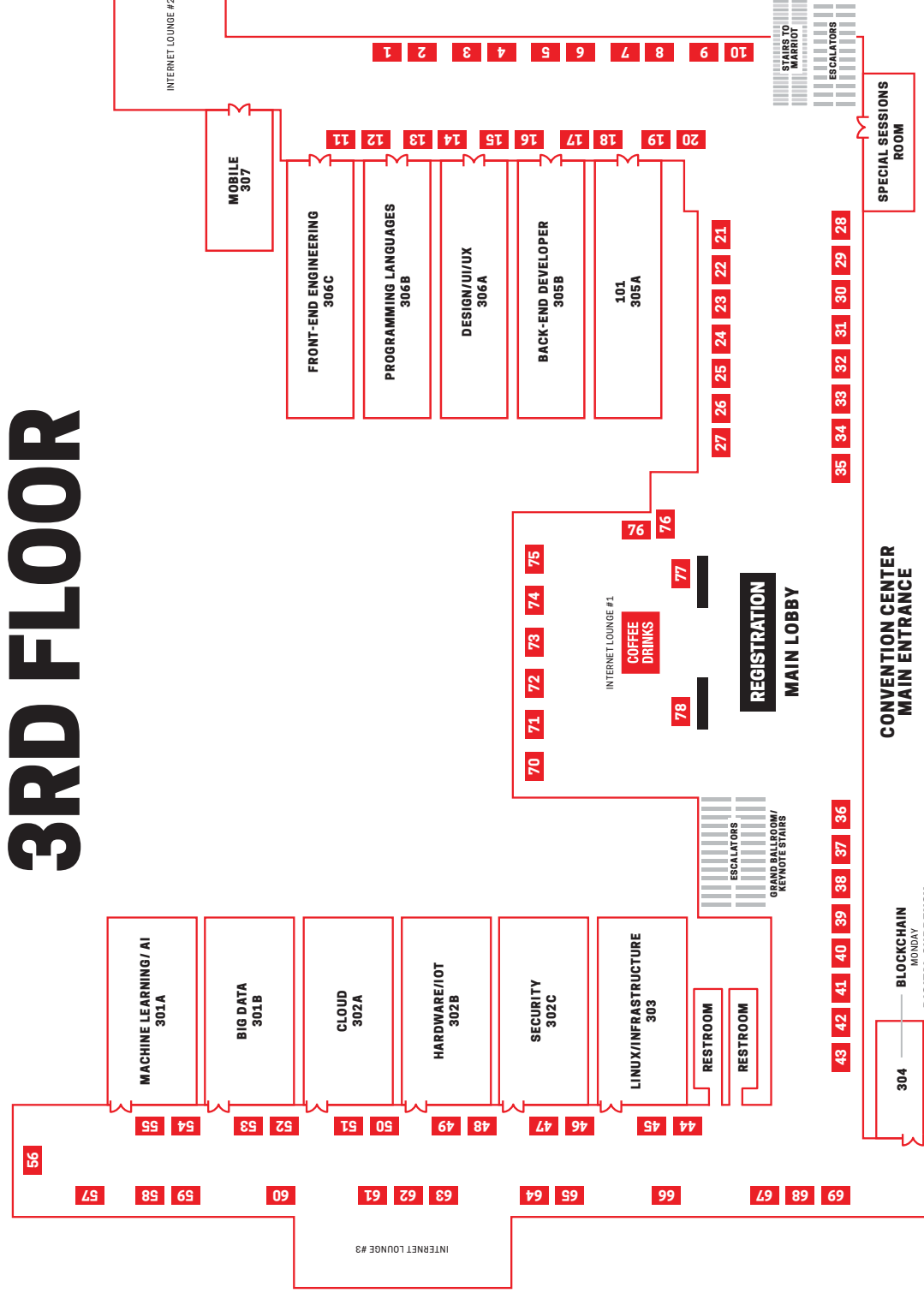
Go down to the 2nd level of the Convention Center
Take the escalator up to the Marriott Turn left at the top of the escalator and head towards the hotel lobby

4TH FLOOR



FREE CORPORATE HEAD SHOTS
112 111 110 109
113 114

3RD FLOOR



CONVENTION CENTER
MAIN ENTRANCE

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BLOCKCHAIN
MONDAY
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