



Culture



Architecture



Engineering

## WEDNESDAY, NOVEMBER 1

7:30 am–5:00 pm On-Site Registration and Badge Pickup

7:30 am–9:00 am Continental Breakfast

9:00 am–9:45 am **Opening Plenaries: Security in Automation**  
Jamesha Fisher, GitHub

9:45 am–10:30 am Jess Frazelle, Google

10:30 am–11:00 am Break with Refreshments

11:00 am–12:30 pm

### Talks I

#### Never Events

11:00 am–11:45 am

Matt Provost, Yelp



#### The Hidden Costs of On-Call: False Alarms

11:45 am–12:30 pm

Cody Wilbourn, Parse.ly



### Talks II

#### UX Design and Education for Effective Monitoring Tools

11:00 am–11:45 am

Amy Nguyen, Stripe



#### ChatOps at Shopify: Inviting Bots in Our Day-to-Day Operations

11:45 am–12:30 pm

Daniella Niyonkuru, Shopify



### Mini Tutorials I

#### Automating System Data Analysis Using R

11:00 am–12:30 pm

Robert Ballance, Independent Computer Scientist



### Mini Tutorials II

#### How to Get Out of Your Own Way

11:00 am–12:30 pm

Jessica Hilt and Allison Flick, UC San Diego



12:00 pm–7:00 pm

LISA17 Expo

12:30 pm–2:00 pm

Lunch on the Expo Floor

2:00 pm–3:30 pm

### Talks I

#### SREBot—More Than a Chatbot—An Intelligent Bot to Crush Mitigation Time

2:00 pm–2:30 pm

Cezar Alevatto Guimaraes, Microsoft



#### Testing Before You Scale & Making Friends While You Do It

2:30 pm–3:00 pm

Renee Lung, PagerDuty



#### Scalability is Quantifiable: The Universal Scalability Law

3:00 pm–3:30 pm

Baron Schwartz, VividCortex



### Talks II

#### Working with DBAs in a DevOps World

2:00 pm–2:30 pm

Silvia Botros, Sr. DBA at Sendgrid



#### Queueing Theory in Practice: Performance Modeling for the Working Engineer

2:30 pm–3:00 pm

Eben Freeman, Honeycomb.io



#### Distributed Tracing: From Theory to Practice

3:00 pm–3:30 pm

Stella Cotton, Heroku



### Mini Tutorials I

#### Handling Emergency Changes and Urgent Requests

2:00 pm–3:30 pm

Jeanne Schock, Armstrong Flooring Inc.



### Mini Tutorials II

#### S, M, and L Logstash Architectures: The Foundations

2:00 pm–3:30 pm

Jamie Riedesel, HelloSign



3:30 pm–4:00 pm

Break with Refreshments on the Expo Floor

## LISA17 WEDNESDAY, NOVEMBER 1 (continued)

4:00 pm–5:30 pm

### Talks I

#### The 7 Deadly Sins of Documentation

4:00 pm–4:45 pm

Chastity Blackwell, Yelp

#### Persistent SRE Antipatterns: Pitfalls on the Road to Creating a Successful SRE Program Like Netflix and Google

4:45 pm–5:30 pm

Blake Bisset; Jonah Horowitz, Stripe

### Talks II

#### Becoming a Plumber: Building Deployment Pipelines

4:00 pm–4:45 pm

Daniel Barker, DST Systems

#### Have You Tried Turning It off and Turning It on Again?

4:45 pm–5:30 pm

Tanya Reilly, Google

### Mini Tutorials I

#### Enhancing Monitoring with Spatial Data and Maps

4:00 pm–5:30 pm

Derek Arnold

### Mini Tutorials II

#### S, M, and L Logstash Architectures: Reaching for the Sky

4:00 pm–5:30 pm

Jamie Riedesel, HelloSign

6:00 pm–7:00 pm

Expo Happy Hour

7:00 pm–11:00 pm

Birds-of-a-Feather Sessions (BoFs)

See BoFs Board in Registration Area

## LISA17 THURSDAY, NOVEMBER 2

8:00 am–5:00 pm

On-Site Registration and Badge Pickup

8:00 am–9:00 am

Continental Breakfast

9:00 am–10:30 am

### Talks I

#### Disaggregating the Network: Switching as a Service

9:00 am–9:45 am

Nina Schiff, Facebook

#### LinkedIn's Distributed Firewall

9:45 am–10:30 am

Mike Svoboda, LinkedIn, and Nils Christian Roscher-Nielsen, Zener

### Talks II

#### Fast and Safe Production Monitoring of JVM Applications with BPF Magic

9:00 am–9:45 am

Sasha Goldshtein, Sela Group

#### Charliecloud: Unprivileged Containers for User-Defined Software Stacks in HPC

9:45 am–10:30 am

Reid Priedhorsky, Los Alamos National Laboratory

### Mini Tutorials I

#### Handling the Interruptive Nature of Operations

9:30 am–10:30 am

Carolyn Rowland, National Institute of Standards and Technology, and Avleen Vig, Etsy

### Mini Tutorials II

#### WordPress Maintenance and Troubleshooting

9:30 am–10:30 am

Dash Buck

10:00 am–2:00 pm


LISA17 Expo

10:30 am–11:00 am


Break with Refreshments on the Expo Floor

11:00 am–12:30 pm


**Talks I**

**Case Study: Deploying a Multi-Region, Highly Available MySQL Architecture** 

11:00 am–11:30 am  
Gabriel Ciciliani, OSDB Internal Principal Consultant at Pythian


**How Do Your Packets Flow?** 

11:30 am–12:00 pm  
Leslie Carr, Clover Health

**Resiliency Testing with Toxiproxy** 

12:00 pm–12:30 pm  
Jake Pittis, Shopify

**Talks II**

**Operational Compliance: From Requirements to Reality** 

11:00 am–11:30 am  
Trevor Vaughan, VP Engineering - Onyx Point, Inc.


**Fast Log Analysis Made Easy by Automatically Parsing Heterogeneous Logs** 

11:30 am–12:00 pm  
Biplob Debnath and Will Dennis, NEC Laboratories America, Inc.

**Your Secrets in Cloud-Based Key Management Services** 

12:00 pm–12:30 pm  
Dan O'Boyle, Stack Overflow

**Mini Tutorials I**

**Care & Feeding of a Healthy Job Hunt** 

11:00 am–12:30 pm  
V Brasseur, Freelance Open Source Consultant

**Mini Tutorials II**

**Writing and Consuming REST Services** 


11:00 am–12:30 pm  
Chris St. Pierre, Cisco Systems, Inc.

12:30 pm–2:00 pm


Lunch on the Expo Floor

2:00 pm–3:30 pm

**Talks I**

**Now You See Me Too: Visual Tooling for Advanced System Analysis** 

2:00 pm–2:45 pm  
Suchakrapani Sharma, ShiftLeft Inc.

**Vax to K8s: TicketMaster's Transformation to Cloud Native Devops** 

2:45 pm–3:30 pm  
Heather Osborn, Ticketmaster

**Talks II**

**Linux Container Performance Analysis** 

2:00 pm–2:45 pm  
Brendan Gregg, Netflix

**The Actor Model and the Queue or "Batch is the New Black"** 

2:45 pm–3:30 pm  
James Whitehead II, Chief Scientist, Formularity

**Mini Tutorials I**

**osquery—Windows, macOS, Linux Monitoring and Intrusion Detection** 

2:00 pm–3:30 pm  
Teddy Reed and Mitchell Grenier, Facebook

**Mini Tutorials II**

**The Ins-and-Outs of Networking in the Big Three Clouds** 

2:00 pm–3:30 pm  
Chris McEniry, Sony Interactive Entertainment

3:30 pm–4:00 pm

Break with Refreshments

4:00 pm–5:30 pm

**Plenary Panel**

Moderator: Tameika Reed

6:00 pm–8:00 pm

LISA17 Conference Reception

8:00 pm–11:00 pm

Birds-of-a-Feather Sessions (BoFs)

See BoFs Board in Registration Area

8:00 am–12:00 pm On-Site Registration and Badge Pickup







8:00 am–9:00 am Continental Breakfast

9:00 am–10:30 am

<p><b>Talks I</b></p> <p><b>CD for DBs: Database Deployment Strategies</b>  9:00 am–9:45 am Avantika Mathur, Electric Cloud</p> <p><b>Clarifying Zero Trust: The Model, the Philosophy, the Ethos</b>  9:45 am–10:30 am Evan Gilman; Doug Barth, Stripe</p>	<p><b>Talks II</b></p> <p><b>Coherent Communications—What We Can Learn from Theoretical Physics</b>  9:00 am–9:45 am Kevin Barron, University of California, Santa Barbara</p> <p><b>Pintrace: A Distributed Tracing pipeline</b>  9:45 am–10:30 am Suman Karumuri, Pinterest</p>	<p><b>Mini Tutorials I</b></p> <p><b>Chef: Scripts to Recipes</b>  9:30 am–10:30 am Morgan Drake, Chef Software</p>	<p><b>Mini Tutorials II</b></p> <p><b>Kubernetes: Hit the Ground Running</b>  9:30 am–10:30 am Chris McEniry, Sony Interactive Entertainment</p>
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10:30 am–11:00 am Break with Refreshments

11:00 am–12:30 pm

<p><b>Talks I</b></p> <p><b>DevOps in Regulatory Spaces: It's only 25% what you thought it was...</b>  11:00 am–11:45 am Peter Lega, Merck and Company</p> <p><b>Failure Happens: Improving Incident Response in Large-Scale Organizations</b>  11:45 am–12:30 pm Damon Edwards, Rundeck, Inc.</p>	<p><b>Talks II</b></p> <p><b>Capacity and Stability Patterns</b>  11:00 am–11:45 am Brian Pitts, Eventbrite</p> <p><b>"Don't You Know Who I Am?!" The Danger of Celebrity in Tech</b>  11:45 am–12:30 pm Corey Quinn, The Quinn Advisory Group</p>	<p><b>Mini Tutorials I</b></p> <p><b>Containers at Scale with Kubernetes, Docker, and Azure</b>  11:00 am–12:30 pm Jennelle Crothers, Microsoft</p>	<p><b>Mini Tutorials II</b></p> <p><b>HPC for Everybody</b>  11:00 am–12:30 pm Cory Lueninghoener, Wireless Couch Labs</p>
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12:30 pm–2:00 pm Conference Luncheon

2:00 pm–3:30 pm

<p><b>Talks I</b></p> <p><b>Sample Your traffic but Keep the Good Stuff</b>  2:00 pm–2:30 pm Ben Hartshorne, Honeycomb</p> <p><b>Where's the Kaboom? There Was Supposed to Be an Earth-Shattering Kaboom!</b>  2:30 pm–3:00 pm David Blank-Edelman, Apcera</p> <p><b>Debugging at Scale Using Elastic and Machine Learning</b>  3:00 pm–3:30 pm Mohit Suley, Microsoft</p>	<p><b>Talks II</b></p> <p><b>Managing SSH Access Without Managing SSH Keys</b>  2:00 pm–2:30 pm Niall Sheridan, Intercom</p> <p><b>Calcifying Crisis Readiness</b>  2:30 pm–3:00 pm Rock Stevens, University of Maryland</p> <p><b>Wait for Us! Evolving On-Call as Your Company Grows</b>  3:00 pm–3:30 pm Christopher Hoey, Datadog</p>	<p><b>Mini Tutorials I</b></p> <p><b>Security Automation for Containers and VMs with OpenSCAP</b>  2:00 pm–3:30 pm Martin Preisler and Marek Haicman, Red Hat, Inc.</p>	<p><b>Mini Tutorials II</b></p> <p><b>Getting started with Bash on Windows 10 and How to Apply to DevOps</b>  2:00 pm–3:30 pm Jessica Deen, Microsoft</p>
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3:30 pm–4:00 pm Break with Refreshments

4:00 pm–5:30 pm

**Closing Plenary: System Crash, Plane Crash: Lessons from Commercial Aviation and Other Engineering Fields** **Grand Ballroom**  
Jon Kuroda, University of California, Berkeley