# LISA17 CONFERENCE PROGRAM









### WEDNESDAY, NOVEMBER 1

7.30 din 3.00 pin On Site Registration and Baage Fickap	7:30 am-5:00 pm	On-Site Registration and Badge Pickup
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#### 7:30 am-9:00 am **Continental Breakfast**

**Opening Plenaries: Security in Automation** 

9:00 am-9:45 am Jamesha Fisher, GitHub

Jess Frazelle, GitHub 9:45 am-10:30 am

#### 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**

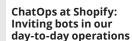
11:45 am-12:30 pm Cody Wilbourn, Parse.ly



#### Talks II

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

11:00 am-11:45 am Amy Nguyen, Stripe



11:45 am-12:30 pm Daniella Niyonkuru, Shopify

### Mini Tutorials I

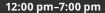
### **Automating System** Data Analysis using R

11:00 am-12:30 pm Robert Ballance, Independent Computer Scientist



11:00 am-12:30 pm Jessica Hilt and Allison Flick, UC San Diego





### 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 **Modelling 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







Break with Refreshments on the Expo Floor

## LISA: WEDNESDAY, NOVEMBER 1 (continued)

4:00 pm-5:30 pm					
Talks I	Talks II	Mini Tutorials I		Mini Tutorials II	
The 7 Deadly Sins of Documentation 4:00 pm-4:45 pm Chastity Blackwell, Yelp  Persistent SRE Antipatterns: Pitfalls On	Becoming a Plumber: Building Deployment Pipelines 4:00 pm-4:45 pm Daniel Barker, DST Systems Have you tried turning it	and Maps 4:00 pm–5:30 pm Derek Arnold	**	Release S, M, and L Logstash Architectures: Reaching For the Sky 4:00 pm-5:30 pm Jamie Riedesel, HelloSign	4 P
the Road to Creating a Successful SRE Program Like Netflix and Google 4:45 pm-5:30 pm Blake Bisset; Jonah Horowitz, Stripe	Have you tried turning it off and turning it on again? 4:45 pm-5:30 pm Tanya Reilly, Google				
6:00 pm-7:00 pm	Expo Happy Hour				
7:00 pm-11:00 pm	Birds-of-a-Feather Sessions (E	BoFs)	Sec	BoFs Board in Registration	n 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; Thomas Ryd and Mark Burgess, CFEngine	Talks II  Fast and Safe Production Monitoring of JVM Applications with BPF Magic 9:00 am-9:45 am Sasha Goldshtein, Sela Group  Karlwolke: 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		

### LISA 7 THURSDAY, NOVEMBER 2 (continued)

### 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

#### 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

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.

## 12:00 pm-12:30 pm

Jake Pittis, Shopify



12:00 pm-12:30 pm



#### 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

**Break with Refreshments** 



### Mini Tutorials I

osquery - Windows, macOS, Linux monitoring and intrusion detection

2:00 pm-3:30 pm

Teddy Reed and Mitchell Grenier, Facebook



Three Clouds

2:00 pm-3:30 pm

The Ins-and-Outs of

Networking in the Big

Chris McEniry, Sony Interactive Entertainment

Mini Tutorials II



### 3:30 pm-4:00 pm

### 4:00 pm-5:30 pm

**Plenary Panel** 

Moderator: Tameika Reed

6:00	pm	-8:	00	pm

8:00 pm-11:00 pm

Birds-of-a-Feather Sessions (BoFs)

**LISA17 Conference Reception** 

See BoFs Board in Registration Area





## LISA17 FRIDAY, NOVEMBER 3

8:00 am–12:00 pm	On-Site Registration and B	adge I	Pickup			
8:00 am-9:00 am	Continental Breakfast					
9:00 am-10:30 am						
Talks I CD for DBs: Database Deployment Strategies 9:00 am-9:45 am Avantika Mathur, Electric Cloud Clarifying Zero Trust: The Model, The Philosophy, The Ethos 9:45 am-10:30 am Evan Gilman; Doug Barth, Stripe	Talks II  Coherent Communications - What We Can Learn From Theoretical Physics 9:00 am-9:45 am Kevin Barron, University of California, Santa Barbara  Pintrace: A Distributed Tracing pipeline 9:45 am-10:30 am	*	Mini Tutorials I Chef: Scripts to Recipes 9:30 am-10:30 am Morgan Drake, Chef Software	•	Mini Tutorials II Kubernetes: Hit the Ground Running 9:30 am-10:30 am Chris McEniry, Sony Interactive Entertainment	ø.
10:30 am-11:00 am	Suman Karumuri, Pinterest Break with Refreshments					
	- Break With Refreshments					
11:00 am-12:30 pm	Talles II		Mini Tutaviala		Mini Tutovicio II	
Talks I DevOps in Regulatory Spaces. It's only 25% what you thought it was  11:00 am-11:45 am Peter Lega, Merck and Company  Failure Happens: Improving Incident Response in Large-Scale Organizations  11:45 am-12:30 pm Damon Edwards, Rundeck, Inc.	Talks II Capacity and Stability Patterns 11:00 am-11:45 am Brian Pitts, Eventbrite  "Don't You Know Who I Am?! The Danger of Celebrity in Tech"  11:45 am-12:30 pm Corey Quinn, The Quinn Advisory Group	*	Mini Tutorials I Containers At Scale with Kubernetes, Docker and Azure 11:00 am-12:30 pm Jennelle Crothers, Microsoft	450	Mini Tutorials II HPC for Everybody 11:00 am-12:30 pm Cory Lueninghoener, Wireless Couch Labs	4
12:30 pm-2:00 pm	Conference Luncheon					
2:00 pm-3:30 pm						
Talks I Sample your traffic but keep the good stuff 2:00 pm-2:30 pm Ben Hartshorne, Honeycomb Where's the Kaboom? There Was Supposed to Be an Earth-Shattering Kaboom! 2:30 pm-3:00 pm David Blank-Edelman, Apcera  Debugging At Scale Using Elastic and Machine Learning 3:00 pm-3:30 pm	Talks II  Managing SSH access without managing SSH keys 2:00 pm-2:30 pm Niall Sheridan, Intercom  Calcifying Crisis Readiness 2:30 pm-3:00 pm Rock Stevens, University of Maryland  Wait for us! Evolving on-call as your company grows 3:00 pm-3:30 pm Christopher Hoey, Datadog	<b>*</b>	Mini Tutorials I Security Automation for Containers and VMs with OpenSCAP 2:00 pm-3:30 pm Martin Preisler and Marek Hai Red Hat, Inc.	cman,	Mini Tutorials II Getting started with Bash on Windows 10 and how to apply it to DevOps 2:00 pm-3:30 pm Jessica Deen, Microsoft	4 to 1

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
Jon Kuroda, University of California, Berkeley

**Grand Ballroom**