

LISA17 CONFERENCE PROGRAM

CONFERENCE TOPICS



Culture



Architecture























Engineering





















WEDNESDAY, NOVEMBER 1

7:30 am–5:00 pm		On-Site Registration and Badge Pickup		Market Street Foyer	
7:30 am–8:45 am		Continental Breakfast		Grand Ballroom Foyer	
8:45 am–9:00 am		Opening Remarks LISA17 Co-Chairs Caskey Dickson, Microsoft, and Connie-Lynne Villani, Fastly, Inc.		Grand Ballroom	
9:00 am–9:45 am		Opening Plenaries: Security in Automation Jamesha Fisher, GitHub		Grand Ballroom	
9:45 am–10:30 am		Leigh Honeywell, Technology Fellow, ACLU			
10:30 am–11:00 am		Break with Refreshments		Grand Ballroom Foyer	
11:00 am–12:30 pm					
Grand Ballroom A		Grand Ballroom BC		Seacliff Room	
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		Pacific Concourse	
12:30 pm–2:00 pm		Lunch at the Expo		Pacific Concourse	
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 at the Expo		Pacific Concourse	
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		Pacific Concourse	
7:00 pm–11:00 pm		Birds-of-a-Feather Sessions (BoFs)		See BoFs Board in Registration Area	

THURSDAY, NOVEMBER 2

8:00 am–5:00 pm		On-Site Registration and Badge Pickup		Market Street Foyer
8:00 am–9:00 am		Continental Breakfast		Grand Ballroom Foyer
9:00 am–10:30 am				
Grand Ballroom A	Grand Ballroom BC	Seacliff Room	Bayview Room	
Talks I	Talks II	Mini Tutorials I	Mini Tutorials II	
Disaggregating the Network: Switching as a Service  9:00 am–9:45 am Nina Schiff, Facebook	Fast and Safe Production Monitoring of JVM Applications with BPF Magic  9:00 am–9:45 am Sasha Goldshtein, Sela Group	Handling the Interruptive Nature of Operations  9:30 am–10:30 am Carolyn Rowland, National Institute of Standards and Technology, and Avleen Vig, Etsy	WordPress Maintenance and Troubleshooting  9:30 am–10:30 am Dash Buck	
LinkedIn's Distributed Firewall  9:45 am–10:30 am Mike Svoboda, LinkedIn, and Nils Christian Roscher-Nielsen, Zener	Charliecloud: Unprivileged Containers for User-Defined Software Stacks in HPC  9:45 am–10:30 am Michael Jennings, Los Alamos National Laboratory			
10:00 am–2:00 pm		LISA17 Expo		Pacific Concourse
10:30 am–11:00 am		Break with Refreshments at the Expo		Pacific Concourse
11:00 am–12:30 pm				
Talks I	Talks II	Mini Tutorials I	Mini Tutorials II	
Case Study: Deploying a Multi-Region, Highly Available MySQL Architecture  11:00 am–11:30 am Gabriel Ciciliani, OSDB Internal Principal Consultant at Pythian	Operational Compliance: From Requirements to Reality  11:00 am–11:30 am Trevor Vaughan, VP Engineering - Onyx Point, Inc.	Care & Feeding of a Healthy Job Hunt  11:00 am–12:30 pm V Brasseur, Freelance Open Source Consultant	Writing and Consuming REST Services  11:00 am–12:30 pm Chris St. Pierre, Cisco Systems, Inc.	
How Do Your Packets Flow?  11:30 am–12:00 pm Leslie Carr, Clover Health	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.			
Resiliency Testing with Toxiproxy  12:00 pm–12:30 pm Jake Pittis, Shopify	Your Secrets in Cloud-Based Key Management Services  12:00 pm–12:30 pm Dan O'Boyle, Stack Overflow			
12:30 pm–2:00 pm		Lunch at the Expo		Pacific Concourse
2:00 pm–3:30 pm				
Talks I	Talks II	Mini Tutorials I	Mini Tutorials II	
Now You See Me Too: Visual Tooling for Advanced System Analysis  2:00 pm–2:45 pm Suchakrapani Sharma, ShiftLeft Inc.	Linux Container Performance Analysis  2:00 pm–2:45 pm Brendan Gregg, Netflix	osquery—Windows, macOS, Linux Monitoring and Intrusion Detection  2:00 pm–3:30 pm Teddy Reed and Mitchell Grenier, Facebook	The Ins-and-Outs of Networking in the Big Three Clouds  2:00 pm–3:30 pm Chris McEniry, Sony Interactive Entertainment	
Vax to K8s: Ticketmaster's Transformation to Cloud Native Devops  2:45 pm–3:30 pm Heather Osborn, Ticketmaster	The Actor Model and the Queue or "Batch is the New Black"  2:45 pm–3:30 pm James Whitehead II, Chief Scientist, Formularity			
3:30 pm–4:00 pm		Break with Refreshments		Grand Ballroom Foyer
4:00 pm–5:30 pm				
Plenary Panel: Scaling Talent: Attracting and Retaining a Diverse Workforce Moderator: Tameika Reed, Founder of WomenInLinux Panelists: Derek Arnold; Leslie Carr, Clover Health; Amy Nguyen, Stripe; Qianna Patterson, QP Advisors; Wayne Sutton, Co-Founder, CTO, Change Catalyst; Derek Watford, Founder of High Point Gamer				
6:00 pm–8:00 pm		Conference Reception		Atrium
8:00 pm–11:00 pm		Birds-of-a-Feather Sessions (BoFs)		See BoFs Board in Registration Area

FRIDAY, NOVEMBER 3

8:00 am–12:00 pm		On-Site Registration and Badge Pickup		Market Street Foyer	
8:00 am–9:00 am		Continental Breakfast		Grand Ballroom Foyer	
9:00 am–10:30 am					
Grand Ballroom A		Grand Ballroom BC		Seacliff Room	
Talks I An Internet of Governments: How Policymakers Became Interested in “Cyber”  9:00 am–9:45 am Maarten Van Horenbeeck, Fastly, Inc.		Talks II Coherent Communications—What We Can Learn from Theoretical Physics  9:00 am–9:45 am Kevin Barron, University of California, Santa Barbara		Mini Tutorials I Chef: Scripts to Recipes  9:30 am–10:30 am Morgan Drake, Chef Software	
Clarifying Zero Trust: The Model, the Philosophy, the Ethos  9:45 am–10:30 am Evan Gilman; Doug Barth, Stripe		Pintrace: A Distributed Tracing Pipeline  9:45 am–10:30 am Suman Karumuri, Pinterest		Mini Tutorials II Kubernetes: Hit the Ground Running  9:30 am–10:30 am Chris McEniry, Sony Interactive Entertainment	
10:30 am–11:00 am		Break with Refreshments		Grand Ballroom Foyer	
11:00 am–12:30 pm					
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		Talks II Capacity and Stability Patterns  11:00 am–11:45 am Brian Pitts, Eventbrite		Mini Tutorials I Containers at Scale with Kubernetes, Docker, and Azure  11:00 am–12:30 pm Jennelle Crothers, Microsoft	
Failure Happens: Improving Incident Response in Large-Scale Organizations  11:45 am–12:30 pm Damon Edwards, Rundeck, Inc.		“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 II HPC for Everybody  11:00 am–12:30 pm Cory Lueninghoener, Wireless Couch Labs	
12:30 pm–2:00 pm		Conference Luncheon		Atrium	
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		Talks II Managing SSH Access without Managing SSH Keys  2:00 pm–2:30 pm Niall Sheridan, Intercom		Mini Tutorials I Security Automation for Containers and VMs with OpenSCAP  2:00 pm–3:30 pm Martin Preisler and Marek Haicman, Red Hat, Inc.	
Where’s the Kaboom? There Was Supposed to Be an Earth-Shattering Kaboom!  2:30 pm–3:00 pm David Blank-Edelman, Apcera		Calcifying Crisis Readiness  2:30 pm–3:00 pm Rock Stevens, University of Maryland		Mini Tutorials II Getting Started with Bash on Windows 10 and How to Apply to DevOps  2:00 pm–3:30 pm Jessica Deen, Microsoft	
Debugging at Scale Using Elastic and Machine Learning  3:00 pm–3:30 pm Mohit Suley, Microsoft		Wait for Us! Evolving On-Call as Your Company Grows  3:00 pm–3:30 pm Christopher Hoey, Datadog			
3:30 pm–4:00 pm		Break with Refreshments		Grand Ballroom Foyer	
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

