

# Jonathan Kingsley

jon@kings.ly | +44 7403 931 364 | kings.ly | linkedin.com/in/jfkingsley | github.com/jfkingsley

## Experience

### Lead, Security and Compliance Balena | Seattle, US July 2022 - March 2023

Implemented Security and Compliance processes across the company with a focus on ISO27001/ISO27701 and GDPR. Provided strategic advice to leadership. Worked alongside Customer Success to close \$5m+ of contract ARR, including a multinational payment network and two FTSE 500s. Provided IT security recommendations, product design requirements, and overall security roadmap.

### VP of Engineering MirrorWeb | Manchester, UK May 2017 - May 2021

Maintained oversight of all day to day technical engineering efforts as well as large portions of DevOps and SRE efforts. Architected infrastructure to handle billions of requests per minute, scaling from 5 staff to 26 in under 3 years. Implemented data ingest and processing solutions that were subsequently presented as best-in-class at AWS Reinvent by Amazon. Managed relationships with various Financial Services and Government clients.

### Security Researcher Freelance | Manchester, UK 2015 - Now

Significant experience in physical covert entry, digital forensic analysis techniques and reverse engineering/static analysis. Found several system-critical bugs in Uber's password hashing and general login implementation, found significant issues in a US-based school classroom tracking application. Prototyped custom tools and hardware including PCB Design, CAD/CAM, and 3D Printing.

### Lead, Security and Infrastructure (CISO) Orbit | San Francisco, US June 2021 - Apr 2022

Acted as CISO for the organization, designing and implementing their SOC 2, ISO 27001 and GDPR compliance programmes from the ground up. Reached full SOC 2 Type 1 compliance standard in under 6 months. Implemented full device management, IT security programmes and SSO, provided advice to product management and executives in relation to security and compliance requirements.

### Coach MLH | New York City, US Jan 2021 - Now

Regularly attend student computer programming competitions as official representative of an international organizing body, Major League Hacking (MLH). Act as primary point of contact for university, student and faculty volunteers, and event attendees while on-site. Regular public speaking experience in front of 500+ people involving communicating technical topics to audiences of varying skill levels. Teach developers how to solve a wide variety of programming challenges and actively help them debug problems across a variety of languages and platforms.

### DEVOPS ENGINEER MCPProHosting | Fort Lauderdale, US 2014

Implemented a shared daemon system and site to automate setup process and installs on game servers for over 300 nodes. Helped build a completely custom server hosting portal with direct payment integrations and automatic server provisioning. Briefly headed the mobile development division, helped create an app for full mobile server control and prototyped a Single-Sign on platform with two-factor authentication.

## Part-Time and Volunteering

### Infrastructure Lead - Hack The Midlands

Architected stage and lighting design for a 500 person event - both opening and closing ceremonies. Acted as stage manager and supervising pyrotechnician during the production - overseeing a team of 5. Designed and built a drop-in WiFi and ethernet network topology allowing per-table access to wired ethernet and wifi during the event with 99.999% uptime and over 4TB of throughput during 48hrs.

### Production Manager, Music - EMFCamp

Ran all production and artist management for the music stage of EMFCamp, a 5,000 person festival in the UK. Handled logistics, booking, talent management and relations. Lead rigging on the ground as a crew chief.

### Pyrotechnician - Freelance

Architected stage pyrotechnics for various productions around the country. Rigged and fired high-value firework displays as part of a team for Bonfire Night, New Years Eve displays and various Proms and Music Festivals. Maintains high access training and qualifications with the Association of Stage Pyrotechnicians and the British Pyrotechnists Association.

### Board Member - The Caving Crew

Acted as Secretary and Web Officer for The Caving Crew, a non-profit caving organization in the UK. Provided supervision and training on cave rescue techniques to inexperienced cavers and acted as an emergency callout on over 50 trips, as well as designing and building all trip booking and management infrastructure including PPE tracking and management.

## Talks and Media Appearances

DevOpsDays TLV 2021 - Keynote  
Speaker Twilio SIGNAL 2017 - Speaker  
Hackference 2015/2016 - Speaker

Hackference 2017 - Keynote Speaker  
TIME Magazine - Featured  
The Telegraph - Featured

## Skills

**Fluent in:** Python | Golang | Javascript | Typescript | Kotlin | C | C++ | HTML | CSS | Swift | Objective-C | Elixir | ARMv8 Assembly  
**Experience With:** AWS | Linux | Jenkins | CircleCI | Terraform | Consul | BGP | DevOps | Reverse Engineering | InfoSec

### Accreditations and Honors:

ACM Professional Member  
Fellow of the Royal Society of Arts  
Registered STEM Ambassador  
MIT Certified for Engineering Management  
Diploma in Creative Producing and Live Events Management

*"Jon is the best Lead Security Engineer that I know. When I first started to work with him, it was a revelation. And his communication skills are superb. That domain expertise + communication skill combination is rare and compelling. As one concrete example, I was on a series of calls with him to a Fortune 500 customer. He understood their needs, displayed proper and convincing security knowledge on a wide range of topics, and did so in a friendly and concise manner. I'm not sure who was more impressed - the customer or me."*

**Ross Porter**  
**Senior Sales Engineer - Balena**

*"Jon was an integral part of Hack Quarantine, where he took lead on our stream infrastructure through Hack Productions. In addition to being a pleasure to work with, Jon took an incredibly proactive approach in solving issues relating to sourcing hardware, colocation, maintaining uptime and generally ensuring a great user experience. He successfully lead a team that kept a 24/7 livestream of workshops and talks online for three weeks and was a core member of our team who could always be depended on. I wouldn't hesitate in recommending Jon to any company looking for help with digital events infrastructure, and really look forward to working with him again in the future."*

**Jacklyn Biggin**  
**Founder - Hack Quarantine**  
**Developer Relations Lead, Autocode**

*"Jon is such a pleasure to work with. I've engaged with him on some of our most strategic opportunities, and his unique ability to offer critical insight into business strategy, related to the improvements he suggests making to improve our overall security posture, has been enormously helpful. His professionalism and experience comes across so positively in customer situations. I wish I could bring Jon to every single security discussion I have."*

*Jon has been crucial to enabling important policy and process changes at our company, as well as helping employees see the value of those changes to us and our customers. That skillset combined with his keen ability to assess various aspects of a company and suggest appropriate policy for improvement, makes him a valuable asset to every organization."*

**Kenna Smith**  
**Product & Partnerships - Balena**

*"Jon has been always been someone we could rely on with whatever we've asked him for. Jon saved us on our biggest eCommerce day of the year, stepping in when we had a critical database sharding failure, identified, proposed solutions, and rolled out a fix for this complex infrastructure failure before our customers even realised what had happened. I can't speak highly enough to Jon's professionalism and calmness in a crisis."*

**Matthew Harris**  
**Project Manager - Disney, NASA JPL, ReBud**