

# Brendan Francis O'Connor

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## Experience

### **Enterprise Security Platform Lead**

RealSelf

2018 -

As the head of the information security program at RealSelf, I direct the company's overall security, risk and compliance efforts. This involves close coordination with the RealSelf executive and engineering teams to align security priorities with our business goals and overall risk posture. My work includes developing and delivering security training to employees, working with developers and SREs to design and implement security at all levels of our systems, building and running our ISO 27000-aligned information security management program, communicating with customers regarding security issues, leading security incident response efforts, working with our legal and privacy teams on vendor acquisition and management, and managing our bug bounty program. I have worked on HIPAA, PCI, GDPR, and other regulatory issues to ensure that we are able to meet our obligations as they evolve, and ultimately, that the trust our users place in us is well-earned.

### **Chief Technical Officer / DSS**

Malice Afterthought, Inc.

2010 -

Malice Afterthought provides information security consulting services to a range of clients, from small businesses to large corporations. Some highlights of past work: leading an international nonprofit's security efforts, including both building a multi-regulated compliance program (FERPA, HIPAA, and FedRAMP) and implementing technical defensive tools; teaching at a Department of Defense information and network warfare (CNO) school; and two successful DARPA Cyber Fast Track (CFT) contracts. Languages and tech stacks have included Ruby, Python, Perl, D3JS, UnityScript, Hadoop, Spark, and AWS, among many others.

### **Security Engineering Lead**

Nuna Inc.

2017 - 2017

Nuna provides healthcare data analytics and warehousing to Medicare/Medicaid, insurance networks, and self-insured employers. I led the Security Engineering team, which was responsible for broadly-defined security throughout Nuna (from code, to architecture, to cross-cutting initiatives). I joined Nuna as a Senior Security Engineer, and became Security Engineering Lead in March 2017. Languages and tech stacks included AWS, R, Python, Bash, and Java; compliance stacks included SOC 2, HIPAA, and CMS ARS.

### **Senior Security Advisor**

Leviathan Security Group

2014 - 2016

I worked as a Senior Security Advisor in Leviathan's Risk and Advisory Services group, where I advised enterprise clients on risk and compliance (GRC), security strategy, technical security, and policy, including responding to their clients' and vendors' security assessments and audits, and assisting with security questions for client engineering teams. I also took one client through a first-time SOC 2 Type II audit process, including designing internal controls, identifying necessary remediation activities before the audit period, and eventually working with the on-site audit team. In addition, I co-wrote four whitepapers on forced data localization as it affects security, available at <http://www.valueofcloudsecurity.com>. From 2014 until mid-2015, I worked as a Senior Security Consultant on Leviathan's Technical Services team. Languages spanned a wide array; compliance stacks included SOC 2, ISO 27001/2, HIPAA, CMS ARS, and PCI.

## Selected Presentations

**Probably: an Irreverent History of the GDPR**

DEF CON Crypto and Privacy Village - Las Vegas, NV August 10, 2018  
A humorous, though contentful, overview of the creation of the GDPR, what came before it, what it does, and why to embrace it.

### **Security by Consent; or, Peel's Principles of Security Operations**

SecTor - Toronto, ON, Canada October 18, 2016  
How to create and maintain a security operation within a larger organization that focuses on cooperation and consent, rather than coercion, based upon the 'policing by consent' model created in 1820s England.

### **Xenophobia is Hard on Data**

SecTor - Toronto, ON, Canada October 21, 2015  
With James Arlen. Examination of forced data localization laws, their nature, their origins, and their effects on confidentiality, availability, and integrity of data, as well as the cost of doing business in a global marketplace.

### **Endrun—Secure Digital Communications For Our Modern Dystopia**

Black Hat Europe - Amsterdam, Netherlands October 17, 2014  
With Grant Dobbe. Censorship-resistant communications based on the Delay-Tolerant Networking concept.

### **Stalking a City for Fun and Frivolity**

DEF CON - Las Vegas, NV August 3, 2013  
Distributed sensor network data acquisition, filtering, and visualization, with several security applications. This presentation addressed the architecture and collection aspects of the CreepyDOL system, as well as the implications for global surveillance states and engineering as a profession.

### **CreepyDOL: Cheap, Distributed Stalking**

Black Hat USA - Las Vegas, NV August 1, 2013  
Distributed sensor network data acquisition, filtering, and visualization, with several security applications. This presentation addressed the architecture and collection aspects of the CreepyDOL system.

## Education

### **Juris Doctor, Cum Laude**

The University of Wisconsin - Madison September 2011 - May 2014

### **Master of Science in Engineering in Computer Science**

The Johns Hopkins University September 2005 - May 2009

### **Bachelor of Science in Computer Science**

The Johns Hopkins University September 2004 - May 2008

## Certifications & Memberships

### **Attorney**

Washington State Bar Association, State Bar of Montana 2017-02-10, 2015-09-21

### **Certified Information Systems Auditor (CISA)**

Information Systems Audit and Control Association 2016-08-12

### **Certificate of Cloud Security Knowledge (CCSK)**

Cloud Security Alliance 2016-02-20

### **Certified Information Privacy Professional U.S. Private Sector (CIPP/US)**

International Association of Privacy Professionals 2015-12-14

### **Certified Information Systems Security Professional (CISSP)**

International Information Systems Security Certification Consortium (ISC(2)) 2012-07-20