Sarai Rosenberg
Insecurity Princess

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Education
Haverford College
B.S. with Honors in Mathematics

Writing
- Should I Hash Private Data?
- Supporting Reports Through Trauma
- Respectful Collection of Demographic Data
- Designing Products for Abuse

Employment

Senior Security Partner
Netflix – Los Gatos, CA
October 2020 – present
- As "Business CISO" for Netflix-owned non-AWS infrastructure, including the OpenConnect CDN, I identify high-leverage opportunities to reduce risk
- Wrote threat model, security strategy, and gap analysis to motivate prioritization of security capability roadmap for new infrastructure
- Proposed cryptographic controls for data protection in tandem with detection canaries
- Cross-functional collaboration with stakeholders across infosec, engineering, legal, program management, and product management
- Rebuilt trust in strained relationships to buy security a chair at the table
- On-call for Product Security Incident Response and appsec vulnerabilities

Speaking Experience

Threat Modeling: bootstrapping an attacker mindset for secure software development
- July 2019: PagerCon SF and Toronto

Lightning talks:
- Introduction to Security Engineering
- Low-Rank Matrix Approximation
- Continuous Improvement

Skills

Technical
- GitHub, AWS, Heroku
- Python, Ruby, Golang, and some Elixir
- Linux, Chef, Vault, Terraform, Docker
- Statistics, Probability, and Risk Management

Security
- AWS IAM, Cloudtrail, Threatstack, Sumo Logic
- Incident Response, Threat Modeling, PKI
- Design & Code Reviews

Leadership
- Mentoring, building mentorship programs
- Security Education
- Inclusion, Diversity, and Equity

Security Engineer
PagerDuty – San Francisco, CA
April 2018 – October 2020
- Chef, Terraform, AWS, IAM, vulnerability management, asset inventory, incident response
- Upgraded and refactored Vault cluster for secret management, increased uptime 99.2 to 99.99%
- Designed and built PKI (x509 TLS certificate management with RBAC for microservices)
- Launched squad-based peer mentorship program
- Led weekly security education, "Hack + Own"
- Led STRIDE/DREAD risk assessment exercise
- Reframed prioritization of projects to balance impact on stakeholder relationships

Security & Technical Program Manager
Agiloft – Redwood City, CA
January 2015 – October 2016
- Managed a consulting implementation team of 12
- Advised on product security changes, cipher suite changes, and upgrading deprecated technologies
- Managed security documentation, training, and third-party audits, including NASA
- Led team calls with customer IT and security on configuring granular access control and SSO

Adjunct Instructor in Mathematics
Los Rios Community Colleges – Sacramento, CA
2008 – 2014
- Instructed courses such as vector calculus, linear algebra, precalculus, and discrete mathematics