Sarai Rosenberg

Insecurity Engineer

530-220-0041   hi@sar.ai

Skills

Technical
- [GitHub](), AWS, Heroku
- Python, Golang, Ruby, and some Elixir
- Linux, Chef, Vault, Terraform, Docker
- Statistics, probability, and risk management

Security
- AWS IAM, Cloudtrail, Threatstack, Sumo Logic
- Incident Response, Threat Modeling
- Design & code reviews

Leadership
- Mentorship
- Security education
- Inclusion, Diversity, and Equity

Education

Haverford College
B.S. with Honors in Mathematics

Hackbright Academy

Project: Repository Recommender: https://svd.ai

- [Project]() recommends GitHub repositories or users to follow, using a machine learning algorithm based on low rank matrix approximation.

Employment

Security Engineer
PagerDuty – San Francisco, CA
April 2018 – present
- Chef, Terraform, AWS, IAM, vulnerability management, incident response, risk assessment, design reviews, code reviews
- Upgraded and refactored Vault cluster for secret management, increased uptime 99.2 to 99.99%
- Designed and built PKI: x509 TLS certificate hierarchy with RBAC for microservices
- Added enforcement for IAM session name from Terraform/Atlantis to verify RBAC on SIEM events
- Launched squad-based peer mentorship program
- Mentored junior security engineers
- Led weekly security education, "Hack + Own"
- Led AppSec DREAD risk assessment exercise
- Reframed prioritization of projects to balance impact on stakeholder relationships

Security & Technical Program Manager
Agiloft – Redwood City, CA
January 2016 – October 2016
- Advised and reviewed security design changes, cipher suite changes, and upgrading deprecated technologies
- Managed a team of 12 to build custom business process management software for clients
- Built automated SQL reports to track KPI
- Managed 30+ B2B and B2D projects
- Led team calls with customer IT and security on configuring granular access control and SSO
- Improved product security for integrations, access, authentication, and auditing

Security / Analyst / Implementer
Agiloft – Redwood City, CA
January 2015 – October 2016
- Advised company on relevant security and compliance standards
- Managed security documentation, training, and third-party audits, including NASA
- Launched customer projects, and enhancements to product's default configuration
- ETL, requirements gathering, data models, and wrote algorithms for workflow automation

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

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