NATHAN ACKS

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ATTENDERE AD SINGULA

Security Solutions | Organizational Leadership | Service Excellence

Master's educated IT security professional.

AREAS OF EXPERTISE

- Vulnerability Assessments
- Investigations & Research
- Security Audits
- Technical Project Management
- Risk Analysis & Management
- Information Security Management
- Technical Documentation
- Strategic Business Partnerships
- Strategy & Execution
- IT Security Programs
- Stakeholder Communication
- Vendor Relationships

TECHNICAL PROFICIENCY

Penetration Testing:	Burp Suite, Kali Linux, Metasploit, Python, Raspberry Pi
Cybersecurity:	Incident Response, PCI DSS, Security Policy
IT Operations:	Bash, Cloud Computing, Computer Networking, Database Administration, Database Design, Documentation, Google Cloud Platform, Google Workspace, Linux System Administration, MySQL, Office 365 Administration, PL/SQL, SQL, Technical Support, Web Servers, Windows Server, Zoom

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CERTIFICATIONS

CompTIA Security+ (2022 – 2025) (2022)

PROFESSIONAL EXPERIENCE

BUREAU VERITAS CYBERSECURITY NORTH AMERICA, *Denver, CO*   2022 – Present

Security Engineer II (2024 – Present)

- Led teams of 1 - 4 engineers during multi-week engagements covering multiple services and applications.
- Worked closely with other application security engineers to perform reviews and tests on web applications, thick clients, mobile applications, IoT devices, and more.
- Reviewed code for common security vulnerabilities.
- Used a combination of manual and automated techniques to assess risks and circumvent security mechanisms of devices and applications.
- Created threat models that resulted in more secure application design.
- Designed and developed security testing scenarios.
- Analyzed and presented results of testing to team members, managers, and customers.
- Wrote detailed problem reports, test plan documents, and mitigation recommendations as needed.
- Developed in-house and open source tools to aid penetration test automation and effectiveness.
- Notable achievements in the position include:
  - Developed a standardized testing environment using Linux containers (Docker/Podman) and Debian Linux.
  - Maintained an offline knowledge base for use by engineers during on-site engagements without direct internet access.

Security Engineer I *(2022 – 2024)*
- Worked closely with other application security engineers to perform reviews and tests on web applications and thick clients.
- Used a combination of manual and automated techniques to assess risks and circumvent security mechanisms of devices and applications.
- Reviewed code for common security vulnerabilities.
- Created threat models that resulted in more secure application design.
- Designed and developed security testing scenarios.
- Analyzed and presented results of testing to team members, managers, and customers.
- Wrote detailed problem reports, test plan documents, and mitigation recommendations as needed.

THE PUBLIC INTEREST NETWORK, *Denver, CO*   2009 – 2022
Director of IT *(2016 – 2022)*
- Founded and oversaw the organization's IT & Security team, crafting organization-wide security policies in collaboration with the Legal team and the President's Office.
- Wrote and maintained IT and security-related documentation and trainings.
- Held bottom-line responsibility for the roll-out, maintenance, security, and support of IT systems used by all staff, including email, user authentication, document management, and custom internal applications.
- Served as the technical point-of-contact for IT-related PCI DSS issues, investigated and remediated potential IT security incidents, and maintained IT and security-related documentation and trainings.
- Notable achievements in the position include:
    - Developed and implemented a security tier system for offices and staff to rationalize existing IT and physical security policies.
    - Created an internal system for the provisioning and management of the full lifecycle for accounts in services managed by the IT & Security team.
    - Oversaw the successful migration from a legacy vendor email system to Google Workspace, and from a legacy LDAP system to Okta.
    - Managed the successful roll-out of two-factor authentication to the staff, the transition to Microsoft 365, and the migration of multiple office-based phone systems nationwide.
    - Upgraded and managed office networks nationwide.

Manager of Online Outreach Technology *(2009 – 2016)*
- Served as the key point on data analysis, database development, and IT vendor management for the organization's digital organizing program.
- Evaluated and developed new organizing tools and reports for the Digital team and created a customer Perl script to generate constituent mass-mailings.
- Managed multiple Ubuntu, CentOS, and Arch Linux servers running mission-critical applications, including LDAP/GOsa, MySQL, NFS, Git, Postfix, Apache, CiviCRM, WebGUI, and Tenable Security Center.
- Responsible for contractor and vendor relations for all Digital team technology, as well as associated budgets.
- Wrote/curated a large library of custom SQL and PL/SQL scripts for reporting and data import, export, and clean-up.
- Provided wide-ranging support in the development of content and outreach strategies as part of a rapid response organizing team.
- Managed the social media presence for the Recruitment team and served as the technical point-of-contact for PCI DSS and computer security issues.
- Provided general technical support for the Denver office's staff and maintained the office's network.
- Notable achievements in the position include:
    - Oversaw the successful migrations of an in-house constituent relationship management (CRM) and action system to Convio, followed next to Salsa and MySQL.
    - Led a successful project that integrated vendor CRM databases with a separate system hosted by ROI Solutions.

EDUCATION

Master's of Science, Applied Mathematics — University of Colorado, Denver, CO

Bachelor's of Science, Theoretical Physics — University of Colorado, Denver, CO

COMMUNITY INVOLVEMENT

Yakshaver — Yak Collective (2020 – Present)