



Phil Thomas

SECURITY CONSULTANT · SOFTWARE ENGINEER

Tunkhannock, Pennsylvania

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Summary

Seasoned Security and Software Engineering professional with 10+ years of experience bridging the gap between security and software engineering practices. Experienced in application security testing across web, API, and mobile platforms, as well as conducting cloud security reviews in Azure, Entra ID, and AWS. Built an internal CSPM solution with continuous monitoring and change tracking to detect and alert on security-impacting changes. Passionate about leveraging AI/LLMs to enhance security practitioner's workflows. Hands-on leader with a strong track record of mentoring teams and driving improvement in fast-paced, agile environments.

Experience

Atom IT Solutions, LLC. (owner)

CONSULTANT & SOFTWARE ENGINEER

May 2013 - present

- Design, implement, and maintain C# (.NET Framework and Core) desktop, web, and server applications for line of business demands.
- Identify possible network threats/issues, recommend and implement appropriate controls and safeguards.

Stratum Security

SENIOR SECURITY CONSULTANT LEAD

Remote

Oct. 2022 - present

- Design, develop, and maintain internal tooling that improved reporting consistency and accuracy while automating 70% of upfront tasks required before starting an assessment.
- Architected and implemented a CSPM pipeline that continuously scanned cloud environments, detected misconfigurations and vulnerabilities, captured evidence, and auto-formatted results for insertion into our reporting tool — enabling scalable, repeatable assessments without manual triage.
- Perform cloud security reviews of Azure, Entra, and AWS environments.
- Oversee and perform web, API, mobile, and cloud-based security assessments (including code reviews and vulnerability analysis), providing clear remediation guidance to application owners and development teams.
- Manage and mentor a small security team, set project priorities, ensure on-time delivery, and drive continuous improvement in testing methodologies, tool adoption, and security best practices.

Stratum Security

APPLICATION SECURITY CONSULTANT

Remote

Sep. 2020 - Oct. 2022

- Perform web, mobile, and API application security assessments, alongside source code analysis.
- Conduct dynamic and static analysis of applications to identify any potential vulnerabilities.
- Develop processes and implement tools and techniques to perform ongoing security assessments.
- Provide technical consultation on Security Tools and Technical Controls.

Conduent (Formerly Xerox)

SR. SYSTEMS DEVELOPMENT SPECIALIST

Remote

Dec. 2014 - Sep. 2020

- Write maintainable and extensible code in a team environment.
- Collaborate closely with other team members to design robust solutions for the client's needs.
- Conduct code peer reviews and internal training with other members on my team.

Education

Western Governors University

MASTER OF SCIENCE IN CYBERSECURITY AND INFORMATION ASSURANCE

Jan. 2019 - Jul. 2020

- Received Excellence Award in Cybersecurity Architecture & Engineering

Certifications

Amazon Web Services

CLOUD PRACTITIONER
Credential ID: 852a354d402348df868dd8e645558aad
Jul 2024 - Jul 2027

EC-Council

CERTIFIED ETHICAL HACKER
Mar 2020 - Mar 2023

Skills

Cloud & Infrastructure

- **Cloud Platforms:** AWS, Azure, Entra ID (Azure AD), Hybrid
- **Infrastructure as Code:** Terraform, Ansible, CloudFormation
- **IAM & Access Controls:** AWS IAM, Entra ID, Conditional Access Policies, RBAC
- **Security Monitoring:** GuardDuty, Security Center, CloudTrail, EventBridge

Security Testing

- **Application Security:** Manual and automated testing of web, API, and mobile apps
- **Techniques:** OSINT, Fuzzing, SQL Injection (SQLi), XSS, CSRF, IDOR, SSRF, RCE, LFI, DAST, SAST
- **Security Standards:** OWASP Top 10
- **Tooling:** Burp Suite, Postman, Insomnia, ffuf, semgrep

Software Development

- **Languages:** Python, C#, Bash/Zsh, Swift, Go, TypeScript, JavaScript
- **Frameworks:** .NET Framework/Core, FastAPI, Flask, Pydantic, Celery, SQLAlchemy
- **Practices:** Secure coding, code reviews, CI/CD integration, test automation

AI & LLM Integration

- **Large Language Models:** Hands-on experience with OpenAI, Anthropic, and local LLMs (e.g., Mistral, CodeLlama, qwen)
- **Deployment:** Running LLMs locally with frameworks like Ollama and LM Studio; integration with MCP servers
- **Tooling:** Created LLM-enhanced workflows for general, developer, and security using APIs and embeddings

Systems, Containerization, & Virtualization

- **Virtualization Platforms:** VMware, Proxmox
- **Operating Systems:** Advanced usage and troubleshooting on macOS and Linux (CLI-first workflows)
- **Containers:** Docker
- **CI/CD Pipelines:** GitHub Actions, Jenkins