ANDREW BRIENING

PROFILE

Security Engineering Manager with over 20 years of professional experience. Proficient at designing and managing development of secure, high-impact applications, establishing vulnerability management strategies, and leading cross-functional teams. Skilled in authentication, authorization, security compliance and DevSecOps practices that balance risk mitigation with rapid delivery.

EXPERIENCE

CHATHAM FINANCIAL KENNETT SQUARE, PA | 2013–PRESENT

SECURITY ENGINEERING MANAGEMENT | 2024–PRESENT

- *Team & Stakeholder Management:* Defining the Security Engineering charter and staffing roadmap while continuing to own SOC 2 compliance—introducing a monthly control-attestation workflow in the while helping to build a dedicated GRC team.

- *Strategic Initiatives: Redefining the AppSec roadmap—prioritizing vulnerability management and secure architecture across Dev & IT—while partnering with Info-Sec to deploy EDR/XDR and SIEM solutions, evaluate SOC-as-a-Service providers, and author operational playbooks for the selected vendor.*

- *Technical Oversight:* Driving zero-trust authorization for legacy public-facing apps, championing a shift-left DevSecOps culture, and consulting with product engineering on exceptional authentication & authorization needs.

KEY ACHIEVEMENTS

- Completed the initial phase of a privileged-access reduction effort, reducing high-risk access across critical systems.

- Rolled out automated SAST scanning for all web apps/services, accelerating vulnerability detection and remediation.

- Designed and built a high-performance Lua integration between HAProxy & OPA that enforces a default-deny zero-trust model – authorizing 1-2 million requests per day with prefix or per-endpoint granularity.

- Resolved vulnerabilities for 100% of findings from recent internal and external penetration tests – partnering with product and platform engineering teams and personally executing fixes where needed.

PLATFORM ENGINEERING TEAM LEADERSHIP | 2020–2024

- Led a cross-functional security team focused on authentication & authorization libraries, merging with the broader platform organization to expand vulnerability management.

- Drove SOC2 Type I certification, establishing baseline processes for ongoing Type II audits.

- Advocated security best practices to development teams, integrating vulnerability scanning and secure coding earlier in their workflows.

- Modernized on-premise object storage by migrating the backend to Azure Blob & Azure Key Vault —delivered a drop-in service that preserves the existing REST interface and authentication scheme while supporting single uploads up to 1 GB and bursts of concurrent several MB uploads; added customer-supplied encryption-key support for true crypto-shredding.

- Built a secure external document-sharing system using expiring links with OTP verification, ensuring only intended recipients can access files; includes access auditing, update capability, and access revocation.

PLATFORM ENGINEERING | 2019–2020

- Maintained and developed dozens of core services/libraries for enterprise-wide use, ensuring standardized security and authentication protocols.

- Modernized several services to .NET 2.2 and 3.1, improving performance, maintainability, and developer adoption.

- Migrated authentication-related front ends to React, introducing mobile-friendly interfaces and planning OIDC/JWT-based upgrades.

SOFTWARE DEVELOPMENT TEAM LEADERSHIP | 2016–2019

- Managed a multi-disciplinary team delivering business-focused web solutions; integrated Elasticsearch for advanced full-text searches.

- Enhanced testing strategy with unit tests, headless browser tests, and end-to-end suites, boosting code quality and deployment confidence.

SOFTWARE DEVELOPMENT | 2013–2016

- Refactored a large legacy MVC application by redesigning login/session management with Redis for more secure and reliable user sessions.

- Introduced Angular with lightweight API backends, accelerating front-end development cycles.

- Championed TDD/BDD practices, establishing mocks for authentication and data access to expedite testing.

DEVELOPMENT & SENIOR LEADERSHIP | NEOMIND PHILADELPHIA, PA | 2005–2013
FREELANCE SOFTWARE DEVELOPMENT | BRIENING.COM | 2004–2013
INTERACTIVE DESIGN & DEVELOPMENT | IOMEDIA NEW YORK, NY | 2004–2005
FREELANCE GRAPHIC DESIGN | BRIENING.COM | 2003–2005
GRAPHIC DESIGN | INFORMATICS STUDIO PITTSBURGH, PA | 2001–2003

EDUCATION
UNIVERSITY OF THE ARTS | PHILADELPHIA, PA | GRAPHIC DESIGN 2001

SKILLS
SECURITY & COMPLIANCE

SOC 2 (Type I & Type II) • DevSecOps & Secure SDLC • Vulnerability Management • OAuth2 • OIDC • Auth0 • IAM (RBAC, ABAC, ReBAC) • Zero-Trust Architecture • SAST / DAST Automation • Secrets Management (HashiCorp Vault, Azure Key Vault) • OPA / Rego

CLOUD & INFRASTRUCTURE

AWS • Azure Blob Storage • Elasticsearch • Redis • SQL Databases • HAProxy • Nginx

CONTAINERIZATION & ORCHESTRATION

Docker • HashiCorp Nomad • Consul • Consul-Template • Levant

DEVOPS, CI/CD & AUTOMATION

Terraform • Ansible • Git • GitLab CI • TeamCity • GitOps practices • Automated Testing (TDD/BDD)

PROGRAMMING & FRAMEWORKS

C#/.NET • React • Ruby • TypeScript • Shell scripting • Rego • Golang • Lua

LEADERSHIP & MANAGEMENT

Team Building • Strategic Planning • Stakeholder Collaboration • Agile • Scrum • Crystal Clear