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EXECUTIVE SUMMARY

- 25+ years of experience leading multi-disciplinary engineering and research organizations
- Architecting large-scale threat-intelligence platforms and driving modernization
- Shaping long-term technical strategy, aligning engineering execution with business outcomes
- Escalation partner for Support, Sales, Executives, and government agencies
- Frequent industry speaker and contributor to threat-intelligence communities.
- Patent holder

CORE LEADERSHIP STRENGTHS

- Organizational leadership and people development
- Cross-functional strategy and executive alignment
- Threat intelligence and security architecture
- Cloud modernization and data platform transformation
- ML-driven detection strategy and classifier innovation
- Customer, partner, and government engagement
- Public relations, media, and industry representation

RELATED SKILLS

- **Operating Systems:** Linux, BSD, Windows
- **Languages:** Bash, Python
- **Machine Learning:** Decision Trees, Graph Neural Networks, Bayes Networks, Support Vector Machines, Random Forest, XGBoost, Map-Reduce, Spark, Jupyter
- **AI:** AWS Bedrock, Claude Code, GPT
- **Cloud Architecture:** EC2, EMR, S3, QuickSight, IAM, Certificate Manager, Route 53, Iceberg, CloudWatch, Glue, Flink, SageMaker, Aurora, DynamoDB, Redis, Spring, Micronaut, Lambda, Kubernetes, Docker, ETL pipelines, Terraform, NLB, ALB, Helm, CloudFormation, AWS, OCI
- **Databases:** Postgres, Mongo, OpenSearch, Mysql, Greenplum, SalesForce, Neo4j
- **Cybersecurity:** Email, IP, Domain, Malware, Appstore, Playstore, Intrusion Detection, Protocol Analysis, Firewall, ZeroTrust, SMS, CVE, MITRE, NIST
- **Other:** GDPR, CAN-SPAM, SBOM, CI/CD, GitHub Actions

PROFESSIONAL EXPERIENCE

Principal Data Architect | Zimperium | 2021–2026

- Led Data, Edge, and Application Analysis engineering organizations, shaping company-wide data strategy and telemetry interpretation.
- Directed full datacenter uplift from physical Rackspace infrastructure to virtualized Oracle environments, improving reliability and operational efficiency.
- Architected next-generation edge-delivery systems providing real-time threat intelligence to customer consoles.
- Chaired the Principal Engineering Committee, aligning long-term technical priorities with business maturity goals.
- Provided executive-level threat analysis, telemetry insights, and strategic support to Sales and key accounts.

Continuous role at what became McAfee — the following five entries are a single team, acquired four times (CipherTrust → Secure Computing → McAfee → Intel → McAfee spinout, 2003–2021), with an internal promotion at every transition.

Research Architect | McAfee | 2016–2021

- Led architectural direction for messaging, connection reputation, and malware research systems.
- Oversaw EOL of legacy GTI messaging systems while maintaining global service stability.
- Designed new systems delivering connection reputation to firewall and email products.
- Built unified internal research portal integrating disparate data sources to accelerate analyst workflows.

Data Architect | Intel | 2012–2016

- Drove data strategy and classifier development for global threat-intelligence platforms.
- Reduced third-party data costs by replacing external feeds with internally generated intelligence.
- Owned annual output of ~30M IP and 200K domain blocks, shaping global protection outcomes.

Principal Engineer | McAfee | 2010–2012

- Unified workflow and content streams across multiple email-security acquisitions.
- Managed top-tier customer escalations and coordinated cross-team resolutions.
- Maintained Messaging GTI classifiers and Hadoop-based data extraction pipelines.

Special Agent | Secure Computing | 2006–2010

- Delivered zero-day fixes, stability improvements, and new features for email appliances.
- Designed and produced the complete anti-spam configuration for the email appliance, including heuristic tuning and end-to-end configuration management.
- Trained engineers on backend systems, UNIX internals, and shell scripting.

L3 Support | CipherTrust | 2003–2006

- Final escalation point for complex customer issues.
- Prioritized defect fixes and guided engineering on customer-impacting problems.

Founding Engineer (Employee #3) | Reflex Security | 1999–2003

- Left CNN mid-college to co-found this early-stage network-security startup as employee #3. Full-stack role covering Windows product development, QA, customer installs, and web presence.

Web Developer | CNN | 1998–1999 (during college)

- Updated main CNN.com pages and served as grammar editor for reporters.

PATENTS

- **US 11,743,276** — Methods and systems for network reputation using cross-protocol signals.
- **US 11,689,550** — Systems and methods for analyzing malicious network traffic that generalize across attack families.

SELECTED SPEAKING & COMMUNITY

- 9 years on the McAfee Public Relations team (7 on the steering committee); hundreds of press placements across CNN, ABC News, LA Times, IEEE, and international trades.
- 13+ conference presentations and 2 keynote talks on future threat trends; 4 conference training courses delivered (M3AAWG, NCFTA-adjacent, Texas ISF).
- FBI escalation contact and intelligence-sharing partner.
- M3AAWG presenter and GDPR working-group contributor.

EDUCATION

B.S. Computer Science, Minor in Systems Engineering — Georgia Institute of Technology

CIVIC & VOLUNTEER

Election poll worker • Office emergency responder • Disaster management team • Event committee