

MITCH GERMANSKY

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PROFESSIONAL PROFILE & KEY ACHIEVEMENTS

- **CTI Architecture & Development:** Cited as a "game-changer" and "technical rock-star". Co-architect and lead developer for ~8 years of the largest scaled MISP instance known world-wide, providing a pivotal Cyber Threat Intelligence (CTI) asset.
- **System Performance Optimization:** Proven expertise in designing architectural improvements, leading deep-dive performance tuning of large-scale distributed systems, and resolving complex, high-stakes system debugging issues.
- **Technical Leadership & Mentorship:** Principal-level leader blending business acumen with technical and academic expertise; excels at mentoring engineers and translating ambiguous stakeholder needs into clear, actionable requirements and technical roadmaps.
- **Business Acumen & Startups:** Founded, managed, and served as R&D Lead for five startups (US/Australia), demonstrating comprehensive technical management and business planning from inception to execution.

SKILLS & TECHNOLOGIES

Cybersecurity / CTI	MISP: Deep Domain Expertise, ETL, Threat Intelligence, REST API, Firewalls, Data Science: JSON/CSV/XML.
Cloud / DevOps	Docker Swarm , Microservices , Private Cloud, Ansible, YAML, Linux Administration: Ubuntu, RHEL, Apache, MySQL/MariaDB, Git/GitHub, Jira.
Core Engineering	Python , Bash, Shell , SQL, Distributed Systems , Architecture, High-Availability, Data Structures & Algorithms, Performance Optimization-Tuning, SDLC.

EXPERIENCE

Principal Cyber Platform Engineer & CTI Lead | Consulting

AT&T (Various Engagements) | 2008 – Present

- **Founded, developed, and led the dev team** to production-deploy the largest scaled MISP instance known world-wide **with over 1 billion IOCs**, aggregating **over 100 OSINT and custom premium feeds**.
- Actively collaborated with the **CIRCL Team** (Luxembourg), contributing performance improvements and feature enhancements to the MISP open-source platform.
- Architected and developed **ETL tools** normalizing and ingesting 100 OSINT and premium feed data via the PyMISP API; created software for total configuration management and **Docker Swarm** deployment for all internal MISP instances.
- Executed with precision on complex technical details , utilizing deep knowledge of the **MISP cyber security platform** to seamlessly develop robust and efficient solutions that integrate data consumption and dissemination for network protection and detection.

- **Mentored internal projects** to push/pull CTI data sets , leveraging extensive teaching experience to elevate team capabilities.
- Instructed major premium CTI data providers' developers improving their APIs and applications integrated with the MISP API.
- **Knowledge Transfer & Mentorship:** Leveraged academic teaching background to **design and lead internal CTI training sessions**, effectively elevating junior security engineers' understanding of MISP data structures and APIs.

Founder, CEO, Lead Developer, Evangelist

Lecture123.com and SnapKast.com (Startup Venture) | **2004 – 2008**

- Founded an innovative e-learning startup from an academic research grant, capturing lectures real-time for immediate cloud publishing and was the **first e-learning system to offer content on video iPods** (before iPhones).
- Secured partnerships with a large textbook publisher and PC manufacturer, resulting in users in **200 schools nationwide**.

Principal Engineer, Internet Registry R&D and Web Services Research

AT&T/Concert | **1999 – 2001**

- **Processed over 10 million IP/AS records** by designing and implementing tools to acquire, normalize, and query data from the three Internet Registries (ARIN, RIPE NCC, and APNIC) on a Linux cluster.
- Researched and proposed Application Service Provider (ASP) solutions for the **\$2 Billion AT&T/British Telecom global venture**, defining future web-based service offerings.

EDUCATION

- **New Jersey Institute of Technology** | M.S. Computer Science (3.9 GPA)
- **Drew University** | B.S. Mathematics (3.6 GPA, 4.0 GPA Math)

PREVIOUS CAREER HISTORY & FOUNDATIONAL LEADERSHIP

- Held key Principal; Director R&D; Dev Lead roles at AT&T, Bell Labs, Lucent, EasTek, Vydec pioneering technological innovations. Computer science Adjunct Professor. Legal Expert.