

Mitch Germansky

mitch@germansky.org ▪ 908-464-8874 ▪ Berkeley Heights, NJ ▪ mitch.germansky.org

OBJECTIVE

- Eager to leverage decades of computing, networking, and data experience joining a software development team leading, mentoring, and doing.

WORK EXPERIENCE

Grey Beard Developer, Leader, Mentor

1978 – Present

- Corporate and start-up ventures including cybersecurity, web development, Linux, PC, networking, microprocessor real-time systems.
- Extensive results driven computing experience with a unique blend of business, management, technical, mentorship and academic skills in startups and corporate settings.
- Diverse technical expertise in the entire software development life cycle with product/project architecture and design, hardcore development, training, support, QA, operations, and administration.

EDUCATION

- **New Jersey Institute of Technology** **1985**
M.S. Computer Science – 3.9 GPA
- **Drew University** **1978**
B.S. Mathematics – 3.6 GPA, 4.0 GPA Math

SKILLS

- Management, Startups, Dev Team Lead, SDLC, Project Management
- Linux, Linux administration, firewalls, Apache, Dovecot, Sendmail, Ubuntu, RHEL
- Python, Bash, Shell, Ansible, YAML, MySQL, MariaDB, SQL
- Git, GitHub, SVN, CVS, RCS, GNU Make, JIRA
- Docker Swarm, Private Cloud, Docker compose, microservices
- ETL, CTI, Cybersecurity, REST API, MISP
- JSON, CSV, XML
- Distributed systems, Data Structures & algorithms, Object-oriented programming, Scripting & automation, Performance optimization & tuning
- Mentoring, leadership, team lead, senior engineer level
- System design, architecture, scalable solutions, high availability, data structures
- Collaboration, communication, cross-functional teams, code review, documentation, training
- Problem solving, troubleshooting & debugging , root cause analysis
- Professor computer science
- Musician

PROJECTS

TISS/MISP Cyber Threat Intelligence

2017 – Present

- Since 2017 consulting at AT&T where I founded, developed, lead the dev team and production deployed the largest scaled MISP instance known world-wide as a pivotal CTI asset for protection and detection aggregating over 100 OSINT and custom premium feeds. Designed and developed ETL tools normalizing and ingesting feed data via the PyMISP API, software for total configuration management for all internal MISP instances, synchronized data pulls from external MISP partners, mentored internal projects to push/pull CTI data sets. Worked with platform team migrating to docker swarm. Software includes Linux, Python, Bash, MySQL, Docker, Ansible, MISP opensource.

Cyber Threat Intelligence Tools

2008 – 2017

- Consulting engagement with AT&T Chief Security Office designing and developing security systems and tools to monitor, analyze, and defend from Internet malicious actors and threats.

Lecture123.com and SnapKast.com

2004 – 2008

- Startup founder along with Rutgers University Computer Science Chair and Director of the Laboratory for Computer Science Research. CEO, lead developer, evangelist, keynote speaker. Captured lectures real time for immediate publishing to a cloud for playback capturing unique student question and answer interactions with full temporal context. First elearning system to offer content on video iPods (before iPhones). Users in 200 schools nationwide, partnered with a large textbook publisher and PC manufacturer.

Elearning Tools

2002 – 2004

- At the Rutgers University Laboratory for Computer Science Research designed and developed simple, general purpose, and extensible teaching and learning tools on a NJ state elearning grant. This project was launched into a startup.

Internet Registry R&D

1999 – 2001

- Performed research/analysis of IP and AS number, POC, and BGP routing data from the three Internet Registries: ARIN, RIPE NCC, and APNIC. Developed tools to acquire weekly snapshots, import data in MySQL normalized schema, query server written in Python. Integrated the server into an IP network management distributed server infrastructure hosted on a Linux cluster. Investigated rate of change and other research metrics. Served as AT&T liaison to these registry organizations; arranged a special research feed of ARIN's data. Attended the ARIN annual meeting.

AT&T British Telecom Web Services Research

2000 – 2001

- Member of small team researching and proposing web based services for the 2000 work program of the \$2B global venture between AT&T and British Telecom known as Concert. Focused on application hosting and Application Service Provider (ASP) solutions, e.g. Citrix MetaFrame and SCO Tarantella. Performed technical evaluations and developed hosting platform prototypes.

Drew University Adjunct Professor

2001 – 2006

- Taught computer science with undergraduate students.

Seton Hall University Adjunct Professor

2000 – 2000

- Taught a Web Development Technologies course for M.S. students.

Legal Expert

1996 – 1996

- Served as a software expert in a lawsuit analyzing a disputed computer system and its conformance to specification and many other aspects. Worked with company executives and legal team.

Webmaster Developer

1995 – 2000

- Intranet developer/webmaster for Lucent's Wireless development organizations. Managed web server hosting around 500 users with over 1 million hits per month and access from 10,000 client computers. Develop web based applications with HTML, JavaScript, CGI, perl, C, multipart MIME, cookies, image maps, etc.

Teleconference Service Architecture Design and Development **1992 – 1995**

- Lead member of the audio teleconferencing team with initial work on existing operations support systems deployed on 3B2s. Major responsibility in the definition of the next generation of teleconferencing products based on an multi-site architecture of a network of highly available Suns and PCs.

Computer Solutions Group, Inc. Consulting **1989 – 1995**

- Created and managed all business facets and technical engagements of this computer consulting firm providing services primarily to telecom clients. Company peaked with 12 consultants.

Network Management System **1989 – 1992**

- Principal developer in the AT&T Accumaster Network Service Interface product. Worked on many aspects of this network management system which manages diverse voice and data networks over T1.5 lines with Performance Management, Facility Management, and Configuration Management. The system was initially based on a 3B2 server and Sun clients and was then migrated completely to Sun.

Director R&D Document Management System, Australia **1988 – 1989**

- Moved EasTek startup from US to Australia. Hired R&D team, outfitted lab and the support/training facility. Technical and business management, strategic planning, OEM agreements, sales/marketing, and customer/vendor relations. Deployed Australia's largest document management system.

Director R&D Document Management System, USA **1987 – 1988**

- Reporting to the President this department of ten technical staff had total responsibility for the document management product design, development, testing, deployment, and support. Managed industry trade shows, pre-sales, and participated in corporate strategic planning.

Bell Labs UNIX Kernel X.25 Developer **1985 – 1987**

- Developed and supported the 3B5, 3B15, 3B20, and Vax UNIX V X.25 Network Interface product. In addition, developed the component and system test scenarios in C and shell to verify the UNIX V X.25 protocol for the Vax 11/780, 3B20S, and 3B5/15 systems.

Conference Call Service **1985 – 1986**

- Lead my consulting team developing a UNIX based value-added teleconferencing service including product planning with the Board of Directors, system development, establishing the engineering lab.

Bank File Transfer System **1984 – 1985**

- Designed and implemented a file transfer system (FTS) to transport data collected in IBM PCs to a DBMS in a UNIX host. This assignment included the UNIX and MS-DOS development: an FTS partner data base with automatic transfer initiation and the source/destination node software based on the Xmodem protocol.

Technical Manager Operation Support Systems Development **1983 – 1985**

- Technical manager of eleven UNIX developers: hiring, training, project management, and administration. The group developed the software platform for large operations support system projects.

Operations Support Systems Developer **1981 – 1983**

- Key developer of communications platform and interfaces for UNIX operations support systems and a multi-processor X.25 PAD: For a large UNIX development project was responsible for defining the project software standards, libraries, tools, directory structures, and UNIX system technical support and training. Designed the long-standing JG protocol for internal network control systems.

Vydec Word Processor **1978 – 1983**

- Broad development experience in microprocessor office automation systems: operating systems, drivers, and communications all in Z80 assembler. Firmware, bootstrap loaders, drivers, file system controlling the first full screen, floppy disk word processor to the market.

ENDORSEMENTS

Alexandre Dulaunoy, Security Research and Head of CIRCL

- Mitch is an impressive engineer with deep expertise in debugging high-performance systems, designing and proposing improvements, and testing large-scale database environments.

Andras Iklody, MISP Project core lead developer / Code Monkey Officer

- Mitch, thanks for the many years of collaboration and deep dives into performance tuning the codebase of MISP. Good luck with whatever comes next and hoping that we'll work together in the future!

David Barber, Principal Manager (Cybersecurity & Threat Intelligence Platforms) at AT&T

- Mitch is a truly exceptional talent and would bring strong technical leadership to any software development team. I highly recommend him and wish him nothing but success going forward. He's that one in a million rockstar talent that is a gamechanger and he will be missed.

Patrick Maroney, Principal - Knowledge Engineering, Cybersecurity, Network Security

- Mitch Germansky has been the lead developer and co-architect of our AT&T MISP platforms for the past ~8 years.
- Mitch would be an asset to any organization looking to deploy/manage MISP platforms and operational integrations. Mitch is a seasoned developer and has great relationships with the CIRCL MISP Team (Andras, Alexandre, et al) which has been a true force multiplier in our years-long efforts to extend and leverage the MISP platform at AT&T.

Dave LaDue, President at NETMG, Owner of LaDue Enterprises LLC

- Mitch is an exceptionally talented software engineer/technologist who brings a unique blend of soft skills and technical expertise to every project.
- Mitch's ability to share knowledge is invaluable. Drawing from his teaching experience, he has a unique gift for mentoring less-experienced team members, breaking down complex concepts into digestible insights that elevate the entire team. Additionally, Mitch excels at presenting complex technical concepts with clarity, tailoring his communication to suit his audience's level of understanding, which makes his insights accessible and impactful.
- Mitch is also a deeply committed employee, often putting in extra hours without hesitation or mention, driven by his dedication to completing tasks professionally and to the highest standard. His focus is always on delivering exceptional results, regardless of the time it takes.
- On the technical side, Mitch's expertise in Linux application development and deployment is extremely valuable. He has a remarkable ability to dive into complex technical details, distill them into clear, actionable requirements, and execute with precision. His deep knowledge of the MISP cyber security platform sets him apart — he seamlessly develops applications that integrate with MISP's APIs, delivering robust and efficient solutions. Mitch's combination of technical excellence, strategic thinking, mentorship, effective communication, and unwavering commitment makes him a great asset to any organization.