David Moshe Goldschlag, PhD

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Qualifications

An experienced business and technology executive, with exceptional strategic, analytical, technical, and communication skills. Excels at collaboratively determining what is core, building the shared narrative that helps teams succeed, and executing to meet goals.

Strategic corporate activities, including corporate and product strategy, strategic sales, corporate development, OEM relationships, and IP prosecution and litigation.

Broad and deep technology expertise, including mobile, enterprise security, compliance and risk management, digital rights management, cryptography, security, storage, enterprise software, and SaaS, in a variety of applications including protection of sensitive information, management of devices, and asset tracking.

Brings to the organization a focus on a compelling strategy combined with effective performance, along with tremendous optimism, energy, creativity, and leadership.

Co-inventor of Onion Routing, now called Tor.

Professional experience

| 2017 - | New Edge Labs, Inc | Silver Spring, MD |

CEO

- Strategy, Selling, Partnering, IP

New Edge offers enterprises secure Zero Trust access to private applications in the public cloud and the datacenter.

| 2014 - | Pulse Secure, LLC | San Jose, CA |

SVP Strategy & CTO

- Corporate Strategy, Corporate Development, Strategic Architecture, IP

Pulse Secure is a leader in secure remote access for the enterprise, enabling users to access any service from any device.

| 2011 - 2014 | MobileSpaces (Cellsec, Inc) | Silver Spring, MD |

CEO

- Strategy, Partnering, Selling, IP

My focus at MobileSpaces is to build the company that enables BYOD for enterprise mobility.
MobileSpaces was acquired by Pulse Secure in October 2014.

| 2010 - 2011 | McAfee, Inc | Santa Clara, CA |

VP Mobile

- Strategy

- Strategic Selling
- Partners
- IP and Patents

My focus at McAfee is to build a unified consumer and enterprise mobile security offering that leverage McAfee's strengths into the new mobile world.

2006 - 2010	Trust Digital, Inc	McLean, VA

President & CTO

- Marketing, Engineering, QA, and Support
- IP and Patents
- DOD / NSA Certifications
- Strategic Partners and Accounts

My focus at Trust Digital is to build the company that enables enterprises and government to make mobile devices a secure part of their corporate operations. This includes a variety of operational models, including devices for office applications, and devices for scanning and tracking inventory in warehouses and managing supply chains. Trust Digital was acquired by McAfee in April 2010.

2004 - 2006	Trusted Edge, Inc.	McLean, VA

SVP & CTO

- Corporate Strategy: Markets, Products, Partners, and Acquisitions
- Product Roadmap
- OEMs & Partners: Symantec, OpenText, and IBM
- IP and Patents
- Strategic Accounts

My focus at Trusted Edge was to enable enterprises to improve compliance and reduce risk by having visibility and control over information created and used at the network's edge. Trusted Edge sold direct and through OEM channels. Trusted Edge was acquired by FileTek in 2007.

2002 - 2004	Consultant	Silver Spring, MD

- Security & Cryptography
- Digital Rights Management, Networked Storage, IT hosting, Embedded Systems
- Strategy & Planning; Architecture & Design; Review & Due Diligence; Standards Work; IP Prosecution & Litigation

2002 – 2003	KeySec Software	Silver Spring, MD

Founder

- Corporate Strategy and Business Model
- Intellectual property and product architecture
- Marketing to both OEM and end-customers
- Financing

KeySec Software develops and markets policy management and access-control solutions for networked storage. KeySec enables enterprises to better leverage their SAN infrastructure investment through software.

2001 - 2003	Cinea, Inc.	Herndon, VA

Board of Advisors

- Corporate Strategy and Business Model
- Intellectual Property, technology, and security architecture
- Marketing to both studio and technology partners
- Financing

Cinea develops and markets digital content protection technologies for cinema. Cinea is enabling the movie industry's transition to digital distribution and projection.

1999 - 2001   USinternetworking, Inc.   Annapolis, MD

CTO

- Strategy: Corporate direction and roadmap
- Architecture: The context within which USi's infrastructure, products, services, and processes operate
- Operational: Responsible for the productization, design, engineering, deployment, and support of USi's communication services, security and disaster recovery products, and management and monitoring infrastructure
- Quality: Vulnerabilities, metrics, operational trends, design reviews
- Communication: Positioning the company for clients, industry, and financial analysts

My focus at USi was threefold: inverting the Application Service Provider (ASP) operational concept from a collection of many client data centers under one roof to a single data center supporting many clients; introducing provisioning as a key competency of ASPs, in addition to the existing competencies of application management and support; and building the next generation telco from the synergy of bandwidth, storage, and computation.

1997 - 1999   Divx   Herndon, VA

Manager, Security Systems

- Lead design, development, and production of Divx's second generation conditional access infrastructure.
- Active in industry working groups on conditional access for high-definition television, copy protection for broadcast and cable TV, and secure digital music.

My focus at Divx was to develop an economically sound architecture for securing digital entertainment content. We designed a system that made it unprofitable for a pirate to leverage Divx's distribution channels, media, and customer devices to compete with Divx's value proposition to movie consumers and studios.

Divx leveraged a system for labeling DVDs with a unique identifier, a DVD player that could read the identifier, and a service that tracks plays of the DVD and bill according to the pricing schedule.

1993 - 1997   Naval Research Laboratory   Washington, D.C.

Computer Scientist

- Developed enabling technologies for e-commerce analogs of standard business models and new types of transactions, with increased security and privacy.
- Designed "Onion Routing" (now called Tor), a system for anonymous communication over the Internet. The anonymous connections protect identity and location, in addition to transmitted data.
- Developed security architectures that minimize trusted components.

- Research in security and privacy.

| 1991 - 1993 | National Security Agency | Fort Meade, Maryland |

Computer Scientist
- Responsible for introducing formal methods to Agency developments.

| 1987 - 1991 | Computational Logic, Inc. | Austin, Texas |

Computing Research Scientist
- Research in formal analysis of concurrent systems.

| 1986 - 1987 | ICSCA, University of Texas | Austin, Texas |

Research Assistant
- Research in automated theorem proving.

| 1984 - 1985 | Software Services Corporation
Ford Motor Company | Detroit, Michigan |

Programmer
- Developed and maintained systems for analyzing and reporting vehicle test results.

Awards received

Alan S. Berman Award at the Naval Research Laboratory, 1999.

Outstanding Paper Award at the 11th Annual Computer Security Applications Conference, December 1995.

MCD Fellowship at the University of Texas at Austin, 9/85-5/86.

Merit Scholar at Wayne State University, Detroit, Michigan, 9/82-4/85.

Education

| 1985 - 1992 | University of Texas at Austin | Austin, Texas |

Ph.D. Computer Science
- **Dissertation:** Mechanically Verifying Concurrent Programs

| 1982 - 1985 | Wayne State University | Detroit, Michigan |

B.S. in Computer Science with a second major in Mathematics

Board of Advisors

ClassifEye, 2007- 2008

Zenoss, 2006 - 2007

Trust Digital, 2005 - 2006

Cinea, 2001-2003

MyWebOS.com, 2000-2002

Method for Authentication and Assuring Compliance of Devices Accessing External Services, US9,64390B2, 5/9/2017 (with E. Dahl)

Automated Multi-level Federation and Enforcement of Information Management Policies in a Device Network, US9,294,508B2, 3/22/2016 (with K Ginter, Y Weiss, M Bartman)

Automated Multi-level Federation and Enforcement of Information Management Policies in a Device Network, US9,171,172B2, 10/27/2015 (with K Ginter, Y Weiss, M Bartman)

System and Method for Controlling Mobile Device Access to a Network, US8,750,108, 6/10/2014 (with N. Laudermilch, W. Supernor, R. Boroday)

Mobile Risk Assessment, US8,677,497, 3/18/2014 (with P. Ganapathi Basavapatna, S. Kumar Gaddala, and S. Schrecker)

System, method, and device for mediating connections between policy source servers, corporate repositories, and mobile devices, US8,565,726 B2, 10/22/2013, (with K. Sapp and D. Walker)

System, method, and device for mediating connections between policy source servers, corporate repositories, and mobile devices, US8,528,042 B2, 9/3/2013, (with K. Sapp and D. Walker).

Local Content Security System, US7,277,544 B1, 10/2/2007, (with R. Eye, T. Siner, J. Segal, R. Schumann).

Digital Content Distribution System and Method, US7,162,642 B2, 1/9/2007, (with R. Schumann, R. Whittemore, D. Kravtiz, S. Iu, G. Mercier, M. Bergeron, J. Ehrhardt, and R. Vitkus).

Hierarchical Key Management, US6,975,728 B1, 12/13/2005, (with R. Eye and D. Kravitz).

Manufacturing Trusted Devices, US6,957,344, 10/18/2005, (with D. Kravitz).

Key Management Encoding and Decoding, US6,907,127, 6/14/2005, (with D. Kravitz).

Conditional Access via Secure Logging with Simplified Key Management, US6,738,905 (with D. Kravitz).

Onion Routing Network for Securely Moving Data through Communication Networks, US6,266,704, 7/24/2001 (with M. Reed and P. Syverson).

System and Method for Electronic Transactions, US6,108,644, 8/22/2000 (with S. Stubblebine and P. Syverson).

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