Certifications

* ISC2 Certified Information Systems Security Professional, CISSP ([Certificate #470776](https://webportal.isc2.org/custom/CertificationVerificationResults.aspx?FN=&LN=Gilburd&CN=470776))
* Certified in ITIL Foundations v3 (2013)
* Certified by CompTIA: A+ Hardware (2004), Linux+ (2003)

Summary of Professional Experience

* 10 years designing, deploying and maintaining high-security production IT services
* 9 years designing and managing production networks using hardware from vendors including Dell, Cisco and Juniper
* 8 years managing highly-available database services backed by MySQL and PostgreSQL
* 7 years managing support staff critical to the delivery of IT services
* 7 years managing IT organizational compliance with federal and state regulations
* 6 years of expertise working with Amazon Web Services and other cloud platforms
* 3 years auditing external organizations’ compliance with federal and state IT regulations specific to the healthcare, financial and educational industries

Employment and Experience

* President and Chairman (Founder), Arcui (Phoenix, AZ, 2012 – Current)

Arcui provides IT security assessment and certification services to businesses operating in highly-regulated industries.

* Assembled the Arcui Advisory Board, consisting of Emil Sturniolo of InStep Group, LLC, Joe Abrams of Intermix Media, Inc. (AMX: MIX) and Roger Hale of Cloudswell
* Responsible for strategy, performance and operational success
  + - Developed strategic partnership with Amazon, affording Arcui the ability to conduct internally authorized attacks in/out of the AWS infrastructure without Amazon’s prior consent or knowledge
    - Obtained vendor approval to perform penetration testing services for AIG, Inc.[[1]](#footnote-1)
  + Acted as interim CTO/CIO
    - Designed, implemented and deployed automated infrastructure capacity for production assets as well as segregated penetration testing and vulnerability assessment platforms
  + Responsible for the CSO and the CSO’s team of auditors
  + Accountable for the peer review of all non-conflicting security assessments
  + Performed organizational security assessments for multiple Arizona hospitals and prestigious medical practices
  + Acted as technical lead on many security assessments
* Director of IT Operations, LeadPile (Phoenix, AZ, 2008-2012)

LeadPile was formerly the #1 advertising and marketing company on the west coast by size according to Inc Magazine and ran the world’s largest online exclusive lead marketplace from 2010-2013 prior to its recent dissolution.

* + Accountable and responsible for the successful delivery of all IT services excluding application development
    - Accountable and responsible for availability and capacity of all production networks and IT systems, 24x7x365
    - Delivered mission-critical IT services minimum 99.987% of the time[[2]](#footnote-2)
  + Contributed to major application logic optimizations effectively reducing load on web and database servers by 500% and 1,000% respectively
  + Served as the Interim Designated Security Officer
  + Oversaw IT support staff, both internal and external
    - Conducted the roll-out and enforcement of multi-factor (smartcard or OTP token) authentication for all personnel with access to sensitive data
  + Completely re-designed production network, negotiated all vendor contracts, hardware and software purchases
    - Deployed network- and host-based Intrusion Detection Systems and remote logging servers for improved security
    - Designed specialty OpenBSD routers to handle unique security requirements and traffic patterns responsive to the business’ needs
    - Implemented application-aware load balancing, using open-source software, to achieve higher efficiency and availability
  + Also re-designed production application environment (web and database servers)
    - For select services, implemented VMWare Virtualization platform with custom synchronous storage; Later migrated to KVM virtualization
    - Defined and implemented all monitoring systems and environmental performance metrics
    - Created database strategy to facilitate hot-backups adapted to the application’s highly-transactional business demands
  + Developed the requirements of the future testing environment used by application developers
* Head of Systems and Networks Administration, Net Enforcers (Phoenix, AZ 2006-2008)

Net Enforcers monitors the Internet for intellectual property violations and assists owners in exercising their brand protection rights.

* Re-designed production server and network infrastructure with focus on ease of expandability and elimination of single points of failure
  + Self-assessed security; implemented fixes and counter-measures commensurate with the business risk appetite
  + Maintained Exchange servers, Windows domain controllers and file-sharing servers, Blackberry Enterprise Server and push services for Windows Mobile devices
  + Wrote comprehensive manuals for entire infrastructure, satisfying business continuity and disaster recovery needs
* Developer (unpaid), Gentoo Linux Foundation, Hardened Security Team (Telecommute, 2003-2006)

Gentoo, one of the world's most popular desktop and server Linux operating systems, is a favorite of those who demand minimal footprint and lightning-fast performance. Gentoo is the platform of choice for the NASDAQ and NYSE.

* Manager of various security-related packages (2005-2006)
* Developed SELinux policy (2003-2004)
* Co-authored and edited “Gentoo Installation Handbook” (2004) and “Gentoo Security Handbook” (2004)
* Authored “Prelude Intrusion Detection System Installation and Configuration Handbook” (2004)
* Authored “Gentoo SELinux Handbook,” the first official manual for deploying and maintaining installations of the National Security Agency's Security Enhanced Linux (2003)

Areas of Expertise

* Development and delivery of high-security, high-availability core IT services within business parameters
* Security best-practices for federal- and state-regulated entities
* Planning for budget, risk, business continuity and disaster recovery
* All aspects of production networking across the 7-layer OSI model
* Intricacies of configuration, deployment and maintenance of Linux, BSD and UNIX variants
* Automation of Linux infrastructure and development builds using tools such as Ansible, Puppet, Chef and Salt

1. Further details shielded by non-disclosure agreements [↑](#footnote-ref-1)
2. Key to the high-valuation sale of LeadPile in 2011 [↑](#footnote-ref-2)