

DAVID H. CROCKER

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bbiw.net

Management, marketing, design and development experience for Internet-related businesses. Orientation towards program and project management, business and marketing analysis, and operations and customer support. Primary contributions in design and development of large-scale distributed architectures, networking standards, email systems and human usability.

Experience

Principal, Brandenburg InternetWorking, 1991 - Present

- ❖ Consultancy specialized in guiding the design of distributed information technologies, products and businesses, from planning and design through development and evolution; emphasis on inter-working with existing and competitive services, and focusing on using intranets and the Internet
- ❖ Participate in planning, funding and development of Internet startup businesses and products
- ❖ Founded:
 - Portola Communications, producing email server technology; purchased by Netscape
 - Boldfish, producing software and service for subscription bulk mail sending and tracking
 - TribalWise, producing knowledge management software for escalated product support
 - Internet Mail Consortium, an industry trade association
- ❖ Assist in development of intellectual property claims and serve as expert witness
- ❖ Example projects
 - Assisted specification of SPF, DMARC and DKIM email authentication standards.
 - Led email anti-abuse (spam, phishing) efforts based on authenticated trust services
 - Created specification to support of multi-homed or mobile Internet hosts
 - Led standards efforts for facsimile and EDI over the Internet
 - Created business and functional analysis of mass-market advanced electronic mail service
 - Designed TCP/IP network over ATM-based interactive cable television service
- ❖ Expert Technical Advisor, Messaging, Malware and Mobile Anti-Abuse Working Group (M³AAWG)

Internet Engineering Task Force (IETF), Technical Standards, 1987-Present

- ❖ Authored or Co-authored more than 65 Request for Comments (RFC) publications
- ❖ Working Group Chair or Author, across electronic mail, EDI over Internet, facsimile over Internet, Domain Name system, transport, email authentication, and Domain Name System attribute name registration.
- ❖ Area Director, providing long-term technical management for TCP/IP Internet network management, standards process management and service applications (middleware) (1989-1995)
- ❖ Initiated and taught Working Group Chair training
- ❖ Co-authored Working Group Guidelines and Procedures
- ❖ Member, Administrative Oversight Committee (IAOC) and Trust (2011-2013)
- ❖ Member, Nominating Committee, four times

Manager, Network Systems Lab, Digital Equipment Corp., 1989 - 1991

- ❖ Created strategic technology-transfer group to assist corporate efforts with TCP/IP. Developed early internetworking firewall, router and network management products

Vice President, Engineering, The Wollongong Group, Inc., 1987 - 1989

- ❖ Led product development across 9 product lines
- ❖ Managed team of 50 for engineering, configuration management, project support, and IT services
- ❖ Created pattern of meeting delivery schedules, with individual accountability and reward

Development Manager, Ungermann-Bass, Inc., 1985 - 1987

- ❖ Delivered initial suite of TCP/IP hardware products
- ❖ Project managed LAN/X.25 gateway; re-oriented program to make on-schedule delivery

Director, System Development, MCI Digital Information Services Corp., 1983 - 1985

- ❖ Created application, directory and data processing components for MCI Mail, a national email service. Developed interactive, remote-batch and Telex access for 140,000 users, as well as remote hardcopy output with letterhead and signature graphics, and access for communicating word processors
- ❖ Led design activities, integrating range of platforms. Interfaced with departments and major sales contacts

Co-Principal Investigator, Electrical Engineering, Univ. of Delaware, 1978 - 1982

- ❖ Developed Unix-based distributed system for relaying email among architecturally heterogeneous networks, which served as an exemplar for now-classic email UA/MTA architecture
- ❖ Operated mail relay service for the Army Materiel Command and NSF's CSNet, precursor to NSFNet

Researcher, The RAND Corporation, 1975 - 1978

- ❖ Developed early Unix-based email user and transport software system

Professional

- ❖ IEEE Internet Award - 2004, co-recipient, for contributions to email
- ❖ Member and Editor, International Ad Hoc Committee (IAHC), a pre-ICANN, multi-constituency effort to propose new top-level domains (TL) names for the Internet's Domain Name Service, including registry/registrar model, dispute resolution model and the term "Generic" TLD now in use.
- ❖ Program committee chair/member for Conference on Email and Anti-Spam; Interop
- ❖ Session chair and presenter at conferences
- ❖ Presenter of numerous classes on the Internet, TCP/IP and open systems networking

Personal

Education

- ❖ Doctoral Program, Univ. of Delaware, Computer Science, Sept. 78-Dec. 82.
- ❖ M.A., Annenberg School, USC; Human Communication Theory and Research. 1977
- ❖ B.A., UCLA; Psychology. 1975.

Publications and Presentations

- ❖ See: bbiw.net/musings.html

Member

- ❖ [Association of Computing Machinery](#)
- ❖ [Institute of Electrical & Electronic Engineers](#), Senior Member
- ❖ [Internet Society](#)

Volunteer

- ❖ American Red Cross, Disaster Services, Sheltering, Information and Planning
- ❖ Chair, Silicon Valley-Public Access Link, a non-profit ISP for the under-served, 1993-1996

Litigation Consulting Activities for David H. Crocker, Brandenburg InternetWorking

2021-2022: [confidential] / Day Pitney (defense, research)
9/2015: Munhwa Broadcasting / Jones Day (plaintif, report)
8/2014: Groupon / Marshall, Gerstein & Borun (defense, report)
5/2012: [confidential] / Lathan & Watkins (defense, initial review)
8-11/2011: HTC / Perkins Coie (defense, research)
8-10/2009: Bulletin.net / Oblon, Spivak (defense, research)
6/2008: Bluebottle Solutions (applicant)
2/2008: Goodmail (defense, research)
4/2007-2/2008: Visto / Gilberts Law, Toronto (defense, research)
1&7/2007: Acxiom [was Digital Impact] / Moore (plaintif, depo)
12/2006-2/2007 and 2009: Bill Silverstein; Domain name abuse (plaintif, report)
10-12/2006: Inovus / Greenberg Traurig (defense, research)
2-5/2006: DirecTV / Jones Day (defense, research)
9-11/2004: Digital Impact / Tomlinson-Zisko (plaintif, depo)
5-9/2000: Kana / Weil, Gotshal & Mangas (defense, research)
8/1999: Netfax; included testifying (plaintif, testify)
4-10/1999: DocSpace / Fish&Neave (defense; report, depo, testify)

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