Stephen Gray

Expertise

- Distributed Computing Architecture
- Internet/Web/e-Commerce
- Web Services Protocols/SOA
- Client/Server Technology
- User Interface Technology
- Software Architecture
- Image and Document Processing
- Relational Database Design
- Network Architecture
- Software Quality
- Software Development Life Cycle
- Clean Room Design

Professional Summary

Mr. Gray has over 30 years of experience in the computer and communications industries. His background includes systems and software architecture, design and development as well as senior management positions in development, marketing, and general management.

Employment History

From: 1984 **Gray & Gray, LLC**
To: Present San Diego, CA
Position: *Principal*

Mr. Gray is an expert in modern computing platform architecture, design, implementation and integration, including relational database design in networking environments. In providing consulting services, he has successfully completed the following projects:

- Performed patent portfolio analysis for large corporations
- Developed policies and procedures for a "clean" software development environment. Monitored activities to ensure conformance.
- CSO for a Business Process Management software start up. The firm develops Web Services/SOA based BPM creation, orchestration, management and optimization solutions.
- CTO for an e-Commerce Internet start up. The firm developed a product that specializes in procurement for public agencies.
- Interim CEO for a broadband Competitive Local Exchange Carrier (CLEC). Helped negotiate the successful sale of the CLEC.
- CTO for an Internet-based secure content distribution startup. The firm developed comprehensive Digital Rights Management (DRM) solutions for the control and promotion of content on the Internet.
- Architected several e-Commerce applications for legacy interoperability

- Participated in the architecture definition and design of a highly scalable, high performance device controller for multifunction document processing products
- Performed a detailed analysis of the competitive environment for retail point-of-sale hardware and software systems. Analysis included technology, marketing, compensation and back office interface issues
- Provided system design, product selection and project management for a turnkey software/hardware system for residential refuse hauling and toxic waste disposal company. System involved multiple hardware and software vendors around the IBM AS400 central processing system
- Led the design of a high performance, LAN-based image capture and statement printing subsystem using IBM system components using DBII relational database and SQL language for TRW
- Led the design of an image assisted, remittance processing system using IBM system components and Sybase relational database in a client/server architecture for TRW. Additionally, designed an object-oriented front end to the database so that the UNIX platform could execute Sybase applications
- Engaged to perform a technology audit for the United States Department of Agriculture using ORACLE database products, which resulted in a major overhaul of the database management implementation for their application
- Collaborated with FileNet to develop an IBM-to-UNIX interconnection strategy for their optical disk-based document imaging and filing system
- Defined high speed interconnection and relational database methods using SQL language for Marriott Corporation to handle large transaction volumes in a hotel reservations system
- Collaborated with Xerox in mid 1990s development of an electronic printing system front end supporting a wide range of advanced printing services, including resolution enhancement technology
- Advised Northern Telecom on the performance of IBM's Net View product
- Authored two technical seminars: SNA Technology Update, OS/2 and SAA, Introduction to Client/Server Technology with special emphasis on relational database management. Published articles in trade journals such as Interface Age, CASE World and Info World

From: 2001 **Networld Exchange Incorporated**
To: 2002 Bonsall, CA
Position: *Chief Technical Officer*

Networld Exchange, Inc. (NEI) provides Fortune 2000 companies private trading exchange (PTX) solutions that automate their B2B commerce activities. NEI is a restart. NEI is funded by institutional investors in New York and Florida. Mr. Gray was recruited in 4Q01 by the investors as part of the new management team.

From: 2000 **NTN Communications**
To: 2001 Carlsbad, CA
Position: *Chief Technical Officer*

NTN Communications, Inc. (AMEX: NTN) is the parent corporation of two operating divisions: Buzztime Entertainment, Inc. and the NTN Network®. Mr. Gray serves as CTO for the parent corporation and each of its operating divisions.

Buzztime Entertainment, Inc. develops and distributes sports and trivia games to a variety of interactive platforms including interactive television, the Internet, PDS and mobile phones.

The NTN Network, NTN's hospitality business, operates two interactive television (ITV) networks that broadcast games to millions of consumers each month at 3500 restaurants, sports bars and taverns in North America.

Mr. Gray is responsible for all of the technical aspects of the corporations as well as forward looking programs and business opportunities.

From: 1987 **Simpact Associates**
To: 1988
Position: *Director, Product Marketing*

Directed the full life cycle of definition, delivery, marketing and enhancement of four sets of IBM connectivity products, including:

- SNA protocol support hardware and software for DEC VAX systems
- An IBM PC-based gateway product that supports SNA and other industry-standard communications architectures
- A Netware-based Token Ring Network adapter board and software for DEC VAX systems
- A hardware/software product that receives financial market feeds and reformats the information for presentation to programs running a VAX via a proprietary applications programming interface (API)

From: 1982 **Xerox Corporation**
To: 1987
Position: *General Manager, Host Software Products*
1985-87 As the founder and leader of the product delivery organization of a Xerox independent business unit, Mr. Gray managed 21 employees and

33 contract professionals. He directed the definition, architecture, design, development, test, product transfer and sustaining engineering of six products for electronic page printers connected to IBM mainframes (MVS, VSE, VM), DEC VAX (VMS) and IBM PC's (DOS).

1982-85

Manager, Foreign System Interconnect. Managed four professionals who defined and developed the technical interconnect strategy for electric page printers to wide-and local-area networks. Mr. Gray's group delivered host software, network and printer engineering services. He developed a new printer interconnection technique, interfaces to Ethernet local area network, and designed connections to IBM mainframes using SNA and the System/370 channel.

From: 1979 **Computer Communications, Inc.**
To: 1982

Position: *Manager, Communication Controller Software Development*
As leader of the architecture, design, development, and testing of an SNA communications controller in the MVS operating environment, Mr. Gray managed 24 professionals. His group successfully designed, developed and deployed the controller's operating software, diagnostics, host-based compilers, and system support software. Before that, he was the product manager for front-end processors and remote concentrators. Also, he engineered an X.25 multi-channel controller.

From: 1977 **Olivetti Corporation**
To: 1979

Position: *Regional Support Manager*
Started as a district manager and later became a regional software support manager for a series of mini- and microcomputer business systems. Applications included general business and on-line front-office banking.

From: 1973 **Burroughs Corporation**
To: 1977

Position: *Systems Programmer, Systems Analyst*
Specializing in data communications software and held several design and product implementation positions in the mid range and small system development groups (MCP).

Additional Professional Experience:

- Designed and implemented numerous relational database management systems using Sybase, Informix, Microsoft Access, DB2.
- Knowledgeable in C, C++, SQL, COBOL, RPG, Basic, Java, various Assembler languages, HTML, XML and others.

- Designed IBM SNA Distribution Services compatible electronic mail interface product. The product interfaced to MCI mail services.
- Designed peer-to-peer printing network product for MCI
- Designed image-processing system for TRW on contract with the Internal Revenue Service. Participated in the implementation of a prototype of the system.
- Designed image based item processing system for TRW and IBM Participated in the implementation of a prototype of the system.
- Defined IBM interoperability strategy for FileNet products.
- Defined distributed network printing product for Xerox.
- Defined and managed several networking products for Simpact Associates. Used the System Strategies Inc. Express SNA package.
- Defined, designed and implemented several interoperability interfaces to Xerox Electronic Printers.
- Defined, designed and implemented telecommunications control devices for Computer Communication Incorporated.
- Developed and presented numerous public and in-house courses in IBM, Unix, Internet and related operating system and networking technologies.
- Member of UCSD Connect "Most Innovative Product Award" Selection Committee (2002, 2003, 2004).

Member of Association of Computing Machinery and Institute of Electronic and Electrical Engineers

Litigation Support Experience

(Note: Those entries marked with * indicate testimony by trial, hearing or deposition in the last 5 years. The retaining party is underlined.)

Date:	2021	Haynes Boone Google v RFCyber (IPR2021-00956) IPR – Mobile Transactions Active
Date:	2021	Bond, Schoeneck & King Gallio v Xerox Corp, et al, (Civil Action No. 6:20-cv-00667-ADA) Patent Infringement – Print Output Management Inactive
Date:	2021	Finnegan ZTE v WSOU (Civil Action No. 6:20-CV-00487-ADA) IPR – Image Processing Active
Date:	2021	Sheppard Mullin Hulu v. PUCs (IPR2021-00611) IPR – Targeted Advertising Active

Date: 2021 Unified Patents
Unified v Smart Authentication
IPR – Mobile Transactions
Active

Date: 2021* Magleby Cataxinos Greenwood
ClearOne v PathPartner (Civil Action No. 2:18-cv-427-JNP-JCB)
Contract Dispute – Software Development
Active

Date: 2021 Paul Hastings
Teradata v SAP (Civil Action No. 3:18-CV-03670-WHO)
Patent Infringement – DBMS Configuration and Operation
Active

Date: 2021* Sheppard Mullin
Netflix v. Avago (IPR2021-01335)
IPR – Content Streaming over Networks
Active

Date: 2020* Saul Ewing
Steffes v Myriad Mobile dba Bushel
Contract Dispute – Software Development
Active

Date: 2020* Munger, Tolles and Olson; Wilmer Hale
USAA v PNC (Civil Action No. 2:20-cv-319)
Patent Infringement – Mobile Banking
Active

Date: 2020 Goodwin Proctor
RPX v Talsk (IPR Number Unknown)
IPR – Bibliographic Archive
Active

Date: 2019* Paul Hastings
Innovation Sciences v. HTC (Civil Action No. 4:18-cv-476)
Patent Infringement - Video Conversion and Status Monitoring
Inactive

Date: 2019* Fish and Richardson
CXT v. JCPenney, et al. (2:18-cv-00171-RWS-RSP)
Patent Infringement – Form Filling
Inactive

Date: 2019* Nix Patterson
Intellectual Ventures v. Great West Insurance (6:16-cv-81-JRG-KNM)
Patent Infringement – Form Management
Inactive

Date: 2019 Entrekin Law
NuOrder v. State of Arizona (TX2018-000662)
Tax Dispute
Active

Date: 2019 Paul Hastings
Blackberry v. SNAP (CV 18-2693 GW (KSx))
Patent Infringement – Timestamps, Messaging
Active

Date: 2019* Entrekin Law
NuOrder v. Bloomin Brands (01-19-0001-0180)
Trade Secret – API Misappropriation Arbitration
Inactive

Date: 2019 Baker Botts
SAS v. World Programming Ltd. (Pet. No. Unknown)
Patent Infringement – Statistical Analysis Software
Active

Date: 2018 O'Melveny & Myers (Pet. No. Unknown)
Location Based Services LLC v. Niantic
IPR
Inactive

Date: 2018* Finnegan
Fidelity Information Services v. Mirror Imaging (CBM CBM2017-00045 and CBM2017-00046)
Claim Construction Declaration
Inactive

Date: 2018* Thompson Hine
Ameranth v. O-Web Technologies (Case No. 1:17-cv-01810-DMS-WVG, SD CA)
Patent Infringement – Hospitality Information Management
Inactive

Date: 2018* Cooley Godward
Mirror Worlds Technologies v. Facebook (Case No. 3:17-cv-03473-JGK, SD NY)

Patent Infringement – Document Stream Operating System
Active

Date: 2018 Holland & Knight
Advice Interactive Group v. Web.com (Case No. 3:17-cv-00801-BJD-MCR, MD FL)
Copyright and Trade Secret – Directory Management
Inactive

Date: 2018 Brooks Kushman
Ameranth v. Domino's Pizza (Case No. 3:11-cv-01810-DMS-WVG, SD CA)
Patent Infringement – Hospitality Information Management
Inactive

Date: 2017* Greenberg Traurig
Team Express Distributing LLC v. Microsoft (Case No. 5:15-cv-00994-DAE, WD TX)
Contract Dispute – Software Development
Inactive

Date: 2017* Cooley Godward
SoundView v. Facebook (Case No. 1:16-cv-00116, DE)
Patent Infringement – Web Technologies
Inactive

Date: 2017 Greenberg Traurig
Yahoo! v. AlmondNet (Inter Partes Reviews and Covered Business Method Reviews, Pet. No. unknown, PTAB)
Patent Infringement – Internet Advertising
Inactive

Date: 2017* The Sladkus Law Group
Broker Genius v. NRZ (1:17-cv-02099-SHS, SD NY)
Copyright and Trade Secret – Online Sales
Inactive

Date: 2017 Lapp, Libra, Thomson, Stoebner & Pusch
Midwest Veterinary Supply v. Insite Software Solutions (case no. unknown, St. Court of MN)
Contract Dispute – Software Development
Inactive

Date: 2017 Covington & Burling
Verizon v. Bridge & Post (Inter Partes Reviews, Pet. No. unknown, PTAB)

Patent Infringement – Directed Media
Inactive

Date: 2016* Quinn Emanuel
Telesocial v. Orange (Case No. 3:14-CV-03985-JD ND CA)
Trade Secret Misappropriation – Smartphone Telephony
Inactive

Date: 2016 Fish and Richardson
Phoenix Licensing v. TIAA-CREF, LifeLock (Case No. 2:15-cv-1367, ED TX)
Patent Infringement – Web Marketing
Inactive

Date: 2016 Benesch, Friedlander, Coplan and Aronoff LLP
PCCA v. Sogeti (Case No. 3:15-cv-00239, SD OH)
Breach of Contract, etc. – System Re-write
Inactive

Date: 2016 Locke Lorde
Bluespike v. Huawei, InfoSonics, et al. (Case No. 6:13-CV-679-RWS, ED TX)
Patent Infringement – Address Space Layout Randomization
Active

Date: 2016 Wilson Sonsini Goodrich and Rosati
Acceleration Bay LLC v. Activision Blizzard Inc. (Case No. 1:16-cv-453, D. Del.)
Consulting Expert for Bungie
Inctive

Date: 2016 Holland and Knight, LLP
HyVee v Inmar Inc. (Case No. 4:15-CV-00275-JEG-CFB, SD IA)
Breach of Contract – Coupon management
Inactive

Date: 2016 Bryan Cave
Skyline v Freeney (Pet. No. unknown, PTAB)
IPR – Distributed pricing
Inactive

Date: 2015 Baker Botts
Phoenix Licensing v. DISH Network L.L.C. (Unknown)
CBM – eCommerce technology
Inactive

Date: 2015 Paul Hastings
Summit 6 LLC v. HTC Corp. (Case No. 7:14-cv-14, N.D. Tex.)
Patent Infringement – Media management
Inactive

Date: 2015 Orrick, Herrington & Sutcliff LLP
Esselte v. Dymo (Pet. No. unknown)
IPR – label printing
Active

Date: 2014* Orrick, Herrington & Sutcliff LLP
Good Technology Corp. v. MobileIron, Inc. (Case No. CV-12-05826 PSG, ND CA)
Patent Infringement – mobile data management in IOS and Android mobile phones.
Inactive

Date: 2014* Bracewell & Giuliani LLP
Droplets, Inc. v. Overstock.com, Inc., Sears et al (Case No. 2:11-CV-401-JRG-RSP, ED TX
Patent Infringement – distributed processing
Inactive

Date: 2013* Neal, Gerber & Eisenberg LLP
Transunion v. Experian (Pet. No unknown, PTAB)
CBMR
Inactive

Date: 2014 Mayer Brown, LLP
M Seven v. Leap Wireless (Cricket) (Case No.: 12-CV-1424-CAB (BLM), SD CA)
Copyright – mobile phone software
Inactive

Date: 2014* Jackson Walker
Personal Audio v. Lotzi Digital, Inc. (Case No. 2:13-cv-00014, ED TX)
Patent Infringement – distributed processing
Inactive

Date: 2014* Fish and Richardson, et al
Diet Goal Innovations v. Chipotle, et al (Case No. 2:12-cv-00761-JRG-RSP, ED TX)
Patent Infringement – distributed processing
Inactive

Date: 2014 Greenberg Traurig, LLP

PersonalWeb Technologies, LLC; et al v. Microsoft Corporation (Case No. 6:12-cv-663, E.D. Tex.)
Patent Infringement – distributed processing
Inactive

Date: 2013 Finnegan, Henderson, Farabow, Garrett & Dunner, LLP
Datatreasury Corp v. Fidelity National Information Service (Pet. No. unknown, PTAB)
Patent Infringement – distributed processing
CBMR
Inactive

Date: 2013 Finnegan, Henderson, Farabow, Garrett & Dunner, LLP
CheckFree Corp., et al. v. Metavante Corp, et al. (Case No. 3:12-cv-15, M.D. Fl.)
Patent Infringement – distributed processing
Inactive

Date: 2013* Perkins Coie LLP
Enfish, LLC v. Microsoft Corp., et al. (Case No. 12-cv-7360-MRP, CD CA)
Patent Infringement – Windows OS data management
Inactive

Date: 2013 Klarquist Sparkman, LLP
Optimize Technology Solutions, LLC v. Staples, Inc., et al. (Case No. 2:11-CV-00419-JRG, ED TX)
Patent Infringement – targeted advertising
Inactive

Date: 2013* Shibolleth, LLP
TJAT v. Amdocs (Case No. 50 117 T 00845 13, NYC NY)
Copyright and Trade Secret Infringement Arb. – mobile telephony
Inactive

Date: 2013* Mayer Brown, LLP
B.E. Technology v Google (Pet. No. unknown, PTAB)
IPR – targeted advertising
Active

Date: 2013 Ostrow Kaufman
Geotag, Inc. v. Burberry Ltd. (Case No. 2:10-cv 00265-JRG, ED TX)
Patent Infringement – search engine technology
Inactive

Date: 2013 Locke Lord LLP

Geotag, Inc. v. Rolex Watch USA (Case No. 2:11-CV-405, ED TX)
Patent Infringement – search engine technology
Inactive

Date: 2013 Fish & Richardson
Ingeniador v. Adobe Systems Inc. (Case No. 5:14-cv-1169, N.D. Cal.)
Patent Infringement – data management
Inactive

Date: 2013* Ostrow Kaufman
ComScore v. Moat (Case No. 2:12-CV-695-HCM-DEM, ND VA)
Patent infringement – website monitoring in Mozilla based systems
Inactive

Date: 2013 Silicon Edge Law Group
Alacritech v. Hewlett-Packard (Patent Interference No. 105,909, BPAI)
Patent interference – network performance
Inactive

Date: 2013 Park, Vaughan, Fleming & Dowler
Wisconsin Technology Venture Group v. FatWallet (Case No. 3:12-cv-326, WD WI)
Patent infringement – distributed processing
Inactive

Date: 2013* Jones Day
Hartford v. Progressive (Case No. 1:12-cv-02444, ND OH)
Patent infringement – distributed processing
Inactive

Date: 2013 Norton Rose Fulbright
BNP v. United Health et al (Case No. 1:09-cv-04690 ND IL)
Patent infringement – distributed processing
Inactive

Date: 2012 Merchant & Gould
Phoenix Licensing v. First Premier et al (Case No. Unknown)
Patent infringement – distributed processing
Inactive

Date: 2012 Haltom Doan
eLynxx v. InnerWorkings (1:10-cv-02535-CCC, MD PA)
Patent infringement – distributed processing
Inctive

Date: 2012 Jackson Walker
Global Sessions v Travelocity et al (Case No. 6:10-cv-671, ED TX)
Patent infringement – distributed processing
Inactive

Date: 2012* Cooper & Dunham
DDR Holdings v. Hotels.com, et al (National Leisure Group) (Case No. 2:06-CV-42, ED TX)
Patent infringement – travel web site
Inactive

Date: 2012 Fish & Richardson
Summit 6 v. RIM (Case No. 3:11-CV-00367, ND CA)
Patent infringement – media handling
Inactive

Date: 2012* Quinn Emanuel
Apple v. Samsung (Case No. 11-cv-01846-LHK, ND CA)
Patent infringement – user interface operations in Android mobile systems
Inactive

Date: 2012* Morrison & Foerster
Augme v. Yahoo! (Case No. C-09-5386 JCS, ND CA)
Patent infringement – distributed processing
Inactive

Date: 2012 Wilson Sonsini Goodrich & Rosati
Home Bondholders v. Salesforce.com (Case No. 2:11-CV-02409 AHM, CD CA)
Patent infringement – distributed processing
Inactive

Date: 2011* Jackson Walker
Transunion v. Experian (Case Info Not Available)
Patent infringement – distributed processing
Active

Date: 2011 Vinson & Elkins
Ariba v. Rearden (Case No. CV11-01619, ND CA)
Contract Dispute
Inactive

Date: 2011* Quinn Emanuel
Catalina Marketing v. Coupons Inc. (Ref. No. 11000654507, SF CA)
Contract Dispute

Inactive

Date: 2011 Alston & Bird
Openwave v. Apple, et al (Case No. 1:11-cv-765, D. Del.)
Patent infringement – distributed processing
Inactive

Date: 2011* DLA Piper
Motorola v. Tivo (Case No. 5:11-CV-00053-JRG, ED TX)
Patent infringement – audio/video processing in DVRs
Inactive

Date: 2010* Law Office of Christian E. Mammen, Lieff Cabraser Heimann and Bernstein, LLP and Tousley Brain Stephens, LLP
Deep9 v. Barnes & Noble (Case No. 11-cv-35, W.D. Wa.)
Patent infringement – distributed processing using Android based mobile systems
Inactive

Date: 2010* McDermott Will & Emery, Alston & Bird
Bedrock v. Soft Layer, et al (Yahoo!, AOL, MySpace)
Patent infringement – distributed processing in Linux systems
Inactive

Date: 2010 Quinn Emanuel
Soverain v. J.C. Penney, et al (Case No. 6:09-cv-274, E.D. Tex.)
Patent infringement – distributed processing
Inactive

Date: 2009* Jones Day
Oracle v. SAP (Case No. 07-01658, N.D. Cal.)
Copyright infringement – enterprise software
Inactive

Date: 2009* Foley & Lardner
DataTreasury v. US Bank
Patent infringement – distributed processing
Inactive

Date: 2009* Gibson, Dunn & Crutcher
IPI v. Red Hat, Novell
Patent infringement – distributed file systems in Linux systems
Inactive

Date: 2009* Jackson and Walker
ICR v. Harpo

Patent infringement – e-Commerce
Inactive

Date: 2009 Cooley Godward
Leader v. Facebook
Patent infringement – distributed file systems
Inactive

Date: 2009* Jones Day
SuperSpeed v. IBM
Patent infringement – distributed file systems
Inactive

Date: 2008 Baker & Botts
Fotomedia v. Yahoo!
Patent infringement – file sharing
Inactive

Date: 2008* PaulHastings
Datascape v. Kyocera, et al
Patent infringement – Internet protocols on feature phones
Active

Date: 2008 Hogan & Hartson
ODS v. Magna Entertainment
Patent infringement – E-Commerce
Inactive

Date: 2008* Winston & Strawn
CNET v. Etilize
Patent infringement – E-Commerce
Inactive

Date: 2008* Weil, Gotshal & Manges
i4i v. Microsoft
Patent infringement – Data formatting, representation in MS Word
Inactive

Date: 2008* Jones Day
MathWorks v. COMSOL
Patent infringement - interoperability, Copyright
Inactive

Date: 2008 Townsend, Townsend & Crew
Anthurium v. Spheris

Patent infringement – Distributed Processing
Inactive

Date: 2008 Jones Day
Soverain v. CDW, et al
Patent infringement – e-commerce
Inactive

Date: 2008 Paul Hastings
Sify v. Yahoo!
Trade secrets
Inactive

Date: 2007 Finnegan Henderson
Cisco v. Telcordia
Patent infringement – system monitoring
Inactive

Date: 2007 Brown Raysman
WebSide Story v. NetRatings
Patent infringement – web monitoring in Mozilla bases systems
Inactive

Date: 2007 Paul Hastings
MediaTek v. Sanyo
Patent infringement – data compression
Inactive

Date: 2007 Sutherland
FedEx v. U.S.
Tax Credit
Inctive

Date: 2006 Jones Day
IBM v. Amazon
Patent infringement – Electronic commerce
Inactive

Date: 2006 Brown Raysman
NetRatings v. SageMetrics
Patent infringement – web monitoring
Inactive

Date: 2006 Young Conaway Stargatt & Taylor
Sungard v. PHI
Breach of contract

Inactive

Date: 2006 Paul Hastings
Autobytel v. Dealix
Patent Infringement – Electronic commerce
Inactive

Date: 2005 Brown Raysman
NetRatings v. Coremetrics, et al
Patent Infringement – Electronic commerce
Inactive

Date: 2005 Kim & Wilcox
HealthFirst v. HealthTrio
Contract Dispute – Electronic information portals
Inactive

Date: 2005 Ropes & Gray (Fish & Neave)
Ampex v. Kodak, et al
Patent Infringement – Image transformation
Inactive

Date: 2005 Sedgwick Detert Moran & Arnold LLP
Waltrip Associates v. Kevin Kimperlin & Spencer Trask Ventures
Contract Dispute - Theft of trade secret, EDI and ecommerce
Inactive

Date: 2005 Orrick, Herrington & Sutcliffe LLP
Metilinx v. Hewlett-Packard
Contract Dispute - Large scale software deployment, QA, system management
Inactive

Date: 2005 Morrison & Foerster
BEA v. SoftwareAG
Patent Infringement - Web Services, Software development tools, OOP
Inactive

Date: 2005 Jones Day
Orion v. American Honda
Patent Infringement – Electronic Catalogs and Brochures
Inactive

Date: 2004 Keker & Van Nest
AB Cellular v. City of Los Angeles

Contract Dispute – Tax Authority, Source Code Analysis
Inactive

Date: 2004 Silicon Edge Law Group
Oracle v. Mangosoft
Patent Infringement – Web System Personalization
Inactive

Date: 2003 Smith Katzenstein & Furlow LLP
S. Rakoff et al v. Dot Com Group, A. Nash et al
Contract Dispute – Web Analytics
Inactive

Date: 2003 Jones Day
Hill v. IBM
Patent Infringement – Electronic Catalog, distributed data management
Inactive

Date: 2003 Fish & Richardson
Mirror Imaging LLC v. Affiliated Computer Services
Patent Infringement – Electronic Document Storage
Inactive

Date: 2003 Jones Day
VPS LLC v. Eastman Kodak Co. and Ofoto
Patent Infringement – Digital Media distribution
Inactive

Date: 2002 Fish & Neave LLP
Harrah's Casino v. Station's Casino
Patent Infringement – Player loyalty system in a network
Inactive

Date: 1984 O'Melveny & Myers
IBM v. NCR Comten
Copyright Infringement - Code comparison and product analysis and design of alternative technologies.
Inactive

Education

Year	College/University	Degree
1973	California Polytechnic University	BS, Economics