

Round Table Group Consultant Curriculum Vitae

Stephen Gray

Expertise

- Distributed Computing Architecture
 - Internet/Web/e-Commerce
 - Web Services Protocols/SOA
 - Client/Server Technology
 - Electronic Presentation Technology
 - Programming Languages
 - Image and Document Processing
 - Relational Database Design
 - Network Architecture
 - Software Quality
 - Software and Systems Development, Integration and Management
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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 & Yorg, 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.

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- 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

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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)

Round Table Group Consultant Curriculum Vitae

- 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, DEC VAX and IBM PC's.
- 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 invented a new printer interconnection technique, developed 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, 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.

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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.
- 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 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: 2014 Bracewell & Giuliani LLP
Droplets, Inc. v. Overstock.com, Inc., Sears et al
Patent Infringement – distributed processing
Active

Date: 2011* Neal, Gerber & Eisenberg LLP
Transunion v. Experian
CBMR
Active

Date: 2014 Mayer Brown, LLP
M Seven v. Leap Wireless (Cricket)

Round Table Group Consultant Curriculum Vitae

- Copyright – mobile phone software
Active
- Date: 2014* Jackson Walker
Personal Audio v. Lotzi Digital, Inc.
Patent Infringement – distributed processing
Active
- Date: 2014* Fish and Richardson, et al
Diet Goal Innovations v. Chipotle, et al
Patent Infringement – distributed processing
Inactive
- Date: 2014* Mayer Brown, LLP
B.E. Technology v. Google
Inter Partes Review
Active
- Date: 2014 Greenberg Traurig, LLP
PersonalWeb Technologies, LLC; et al v. Microsoft Corporation
Patent Infringement – distributed processing
Inactive
- Date: 2013 Finnegan, Henderson, Farabow, Garrett & Dunner, LLP
Datatransury Corp v. Fidelity National Information Service
Patent Infringement – distributed processing
CBMR
Active
- Date: 2013 Finnegan, Henderson, Farabow, Garrett & Dunner, LLP
CheckFree Corp., et al. v. Metavante Corp., et al.
Patent Infringement – distributed processing
Active
- Date: 2013* Perkins Coie LLP
Enfish, LLC v. Microsoft Corp., et al.
Patent Infringement – data management
Active
- Date: 2013 Klarquist Sparkman, LLP
Optimize Technology Solutions, LLC v. Staples, Inc., et al.
Patent Infringement – targeted advertising
Inactive

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Date: 2013* Shibollet, LLP
TJAT v. Amdocs
Copyright and Trade Secret Infringement – mobile telephony
Inactive

Date: 2013 Mayer Brown, LLP
B.E. Technology v Google
Patent Infringement – targeted advertising
Active

Date: 2013 Ostrow Kaufman
Geotag, Inc. v. Burberry Ltd.
Patent Infringement – search engine technology
Inactive

Date: 2013 Locke Lord LLP
Geotag, Inc. v. Rolex Watch USA
Patent Infringement – search engine technology
Inactive

Date: 2013 Fish & Richardson
Ingeniador v. Adobe Systems Inc.
Patent Infringement – data management
Inactive

Date: 2013* Ostrow Kaufman
ComScore v. Moat
Patent infringement – website monitoring
Inactive

Date: 2013 Silicon Edge Law Group
Alacritech v. Hewlett-Packard
Patent interference – network performance
Inactive

Date: 2013 Park, Vaughan, Fleming & Dowler
Wisconsin Technology Venture Group v. FatWallet
Patent infringement – distributed processing
Inactive

Date: 2013* Jones Day
Hartford v. Progressive
Patent infringement – distributed processing
Inactive

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Date: 2013 Norton Rose Fulbright
BNP v. United Health et al
Patent infringement – distributed processing
Inactive

Date: 2012 Merchant & Gould
Phoenix Licensing v. First Premier et al
Patent infringement – distributed processing
Inactive

Date: 2012 Haltom Doan
eLynxx v. InnerWorkings
Patent infringement – distributed processing
Inactive

Date: 2012 Jackson Walker
Global Sessions v Travelocity et al
Patent infringement – distributed processing
Inactive

Date: 2012* Cooper & Dunham
DDR Holdings v. Hotels.com, et al (National Leisure Group)
Patent infringement – travel web site
Inactive

Date: 2012 Fish & Richardson
Summit 6 v. RIM
Patent infringement – media handling
Inactive

Date: 2012* Quinn Emanuel
Apple v. Samsung
Patent infringement – user interface operations
Active

Date: 2012* Morrison & Foerster
Augme v. Yahoo!
Patent infringement – distributed processing
Inactive

Date: 2012 Wilson Sonsini Goodrich & Rosati
Home Bondholders v. Salesforce.com
Patent infringement – distributed processing
Inactive

Round Table Group Consultant Curriculum Vitae

- Date: 2011* Jackson Walker
Transunion v. Experian
Patent infringement – distributed processing
Active
- Date: 2011 Vinson & Elkins
Ariba v. Rearden
Contract Dispute
Inactive
- Date: 2011* Quinn Emanuel
Catalina Marketing v. Coupons Inc.
Contract Dispute
Inactive
- Date: 2011 Alston & Bird
Openwave v. Apple, et al
Patent infringement – distributed processing
Inactive
- Date: 2011* DLA Piper
Motorola v. Tivo
Patent infringement – audio/video processing
Inactive
- Date: 2010* Law Office of Christian E. Mammen, Lief Cabraser Heimann and
Bernstein, LLP and Tousley Brain Stephens, LLP
Deep9 v. Barnes & Noble
Patent infringement – distributed processing
Inactive
- Date: 2010* McDermott Will & Emery, Alston & Bird
Bedrock v. Soft Layer, et al (Yahoo!, AOL, MySpace)
Patent infringement – distributed processing
Inactive
- Date: 2010 Quinn Emanuel
Soverain v. J.C. Penney, et al
Patent infringement – distributed processing
Inactive
- Date: 2009* Jones Day
Oracle v. SAP
Copyright infringement – enterprise software

Round Table Group Consultant Curriculum Vitae

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
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 cell phones
Active

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

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Date:	2008*	Winston & Strawn <u>CNET v. Etilize</u> Patent infringement – E-Commerce Inactive
Date:	2008*	Weil, Gotshal & Manges i4i v. <u>Microsoft</u> Patent infringement – Data formatting, representation Inactive
Date:	2008*	Jones Day <u>MathWorks v. COMSOL</u> Patent infringement - interoperability, Copyright Inactive
Date:	2008	Townsend, Townsend & Crew Anthurium v. <u>Spheris</u> Patent infringement – Distributed Processing Inactive
Date:	2008	Jones Day <u>Soverain v. CDW, et al</u> Patent infringement – e-commerce Inactive
Date:	2008	Paul Hastings Sify v. <u>Yahoo!</u> Trade secrets Inactive
Date:	2007	Finnegan Henderson Cisco v. <u>Telcordia</u> Patent infringement – system monitoring Inactive
Date:	2007	Brown Raysman WebSide Story v. <u>NetRatings</u> Patent infringement – web monitoring Inactive
Date:	2007	Paul Hastings <u>MediaTek v. Sanyo</u> Patent infringement – data compression Inactive

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Date:	2007	Sutherland <u>FedEx</u> v. U.S. Tax Credit Inactive
Date:	2006	Jones Day <u>IBM</u> v. Amazon Patent infringement – Electronic commerce Inactive
Date:	2006	Brown Raysman <u>NetRatings</u> v. SageMetrics Patent infringement – web monitoring Inactive
Date:	2006	Young Conaway Stargatt & Taylor Sungard v. <u>PHI</u> Breach of contract Inactive
Date:	2006	Paul Hastings <u>Autobyte</u> v. Dealix Patent Infringement – Electronic commerce Inactive
Date:	2005	Brown Raysman <u>NetRatings</u> v. Coremetrics, et al Patent Infringement – Electronic commerce Inactive
Date:	2005	Kim & Wilcox HealthFirst v. <u>HealthTrio</u> Contract Dispute – Electronic information portals Inactive
Date:	2005	Ropes & Gray (Fish & Neave) <u>Ampex</u> v. Kodak, et al Patent Infringement – Image transformation Inactive
Date:	2005	Sedgwick Detert Moran & Arnold LLP <u>Waltrip Associates</u> v. Kevin Kimberlin & Spencer Trask Ventures Contract Dispute - Theft of trade secret, EDI and ecommerce Inactive

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- 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, 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

Round Table Group Consultant Curriculum Vitae

- Patent Infringement – Digital Media distribution
Inactive
- Date: 2002 Steptoe and Johnson
Steven Heard & Dean Messier v. California Institute of Technology
& Jet Propulsion Laboratory
Patent Infringement - Digital Images Upload/Storage
Inactive
- Date: 2002 Fish & Neave LLP
Harrah's Casino v. Station's Casino
Patent Infringement – Player loyalty system in a network
Inactive
- Date: 2002 Preston Gates and Ellis LLP
Eyefinity, Inc. vs. Entigo, Inc.
Contract Dispute - Faulty software development
Inactive
- Date: 1998 Robman & Seeley
Ametron-American Electronic Supply v. Entin, et al
Theft of Trade Secrets - Recovery of Data and Evaluation
Inactive
- Date: 1998 Kronish Lieb Weiner & Hellman
GTE v. Videotron
Contract Dispute - Analysis of UNIX-based system
Inactive
- Date: 1998 Kudo & Daniels
Total Recovery Services v. Microage
Contract Dispute - Faulty Product, evaluation of product.
Inactive
- Date: 1996 Baker & Botts
BMC Software v. Peregrine Systems, Inc.
Theft of Trade Secrets - DB2 enhancement software.
Inactive
- Date: 1995 Pacific Bell Inside Counsel
David McGoveran v. Pacific Telesis Group and Pacific Bell
Damages trial in Theft of Trade Secret Litigation - assess market
potential and value of SQL software.
Inactive

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- Date: 1994 Cooley Godward Castro Huddleson & Tatum
ADV Freeman v. Boole & Babbage
Contract Dispute - Assessment of software quality, expert witness
on product marketing and software quality.
Inactive
- Date: 1984 O'Melveny & Myers
IBM v. NCR Comten
Copyright Infringement - Code comparison and product analysis
and design of alternative technologies.
Inactive

Education

<u>Year</u>	<u>College/University</u>	<u>Degree</u>
1973	California Polytechnic University	BS, Economics

Round Table Group

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