



Stephen R. Bissell

Technology and operations consultant providing business operations, computer engineering, and project management consulting to leaders of businesses and organizations.

President of Bissell Group and Executive Director of the non-profit Kolo Group. Past President and Partner of Axian Software Consulting for 16 years following exec-level responsibilities in public and private companies for Engineering, Operations, I.T. and Human Resources.

C-level for two start-ups which later went public, ATEQ Corp and Cascade Microtech, Inc.; 20 years as president of two consulting businesses; Advisory Board Member to four businesses.

Engineering expertise: project-level & functional management of engineering programs; software development in various languages & operating systems; hardware design; and manufacturing engineering. Has provided expert analysis and testimony for attorneys and parties in litigation related to contract disputes involving failed IT projects or misappropriated intellectual property.

EDUCATION

M.S. Electrical Engineering, Stanford University, 1978

Graduate Certificate, Intercultural Studies, Western Seminary, 2007

PROFESSIONAL EXPERIENCE

- 2010 - 2016 **President**, Bissell Group LLC -- "Finding Order in Complexity"
[Present] *Technology & Operations Consulting; Interim Executive*
- Executive Consultant for Jesus Film Media's Digital Program, 2012 - 2016
 - Chief Operating Officer (Interim) for Positive Energy Solar, 2010 - 2011
 - Chief Technology Officer (Interim), for FCI, 2010
 - General Manager (Interim) for GlobalConneXion, 2009 - 2010
 - Advisor to the Izere Language Project in Jos, Nigeria, 2000 - 2016
- 1994 - 2010 **Co-Founder and President**, Axian, Inc.
Software Engineering and Business Intelligence Consulting
- 1991 - 1994 **Vice President Operations**, Cascade Microtech, Inc.
Microelectronic Probing Systems
- 1984 - 1991 **Vice President Engineering**, ATEQ Corp.
Semiconductor Lithography Systems
- 1978 - 1984 **Dept. Manager: Engineering, Production, Manufacturing Eng**, Spectra-Physics, Inc.
Laser Scanning Systems
- 1975 - 1978 **Member of the Technical Staff (MTS) and Production Engineer**
Hewlett-Packard, Data Systems Division - *Minicomputers*

CONCURRENT ROLES

- Executive Director, Kolo Group, Inc. www.kologroup.org 2012 - 2016
- Advisory Board: ShiftAgent Labs; CoreDS; Leppard Labs 2014 - 2016
- Advisory Board Member, Positive Energy Solar, 2011 - 2013
- Chair, CTO & Engineering Executive Forum, TechAmerica, 2005 - 2012
- Chair, Technology & Intellectual Property Committee, AeA, 2007
- Guitar Teacher, 1994 - 2016

PROFESSIONAL EXPERIENCE - DETAILS

2010 - 2016 **President**, Bissell Group LLC: *Technology & Operations Consulting*
 [Present]

Working with leaders of businesses and organizations as they address significant Operational challenges driven by complex logistics or workflow tied to: heavy use or development of technology; need for data analytics and process optimization to increase effectiveness and efficiency; sustainability initiatives tied to internal values or customer requirements; growth in demand or staffing.

Interim Executive Roles:

- Executive Consultant for Jesus Film Media's Arclight Program, 2012 - 2016
 - Digital media distribution and analytics for mobile platforms and apps
- Chief Operating Officer (Interim) for Positive Energy Solar, 2010 - 2011
 - Business doubled in volume as design/build of large scale commercial systems was added to an established residential business.
- Chief Technology Officer (Interim), FCI, 2010
 - Processing flow and data analytics redesigned to clear the logjam in health plan payment processing to Medicare/Medicaid providers.
- General Manager (Interim), for GlobalConneXion, 2009 - 2010
 - Technology development partnership between two large non-profits

1994 - 2010 **President**, Axian, Inc., Beaverton, OR: *Software Engineering & Business Intelligence*

- Built an organization of 40 senior software consulting engineers and instructors known for its broad expertise in computing technologies.
- Experts in developing systems and embedded software for product engineering companies; business intelligence and data-driven enterprise / web technology solutions for corporate clients; in Linux, Unix and Microsoft operating systems; and in High Performance Computing.
- Sixteen straight years of profitability; continuous stream of repeat clients.
- Established corporate partnerships with Microsoft, RedHat, Sun Microsystems

As Business & Technology Consultant:

- Engineering and project management methodology; business management; software engineering; design reviews; operations.
- Analysis, mediation and testimony assisting attorneys and parties in litigation.

Software Development Methodology and Project Management

- *Navigators*: Forming and managing development partnerships
- *RadiSys*: Consolidation of system framework development tools
- *Campus Crusade for Christ Int'l*: Project management methodology
- *Oregon Central Credit Union*: Conversion from mainframes to PCs

Open Source Technologies, Licenses, Product Development

- *Global ConneXion*: Collaboration portal – open vs proprietary alternatives
- *InforMed*: Design alternatives for hand-held electronic guides

Design Reviews

- *Stellar Technologies*: Architecture review – tuning and benchmarking
- *Lamb-Gray's Harbor*: Design review of manufacturing floor control system
- *CCLI*: Design review of client database system developed by 3rd party

Expert Analysis, Mediation and Testimony

- Contract Disputes – Failed IT Projects
- Intellectual Property
- Software and Systems

1991 - 1994 Cascade Microtech, Inc., Oregon: *Microelectronic Probing Systems*

Vice President Operations

- Turned around a systems and component manufacturing operation. Restructured the operation using team concepts to enable group members to improve the processes and their effectiveness, assuring on-time shipments.
- Engineering and Marketing responsibility for a multi-national semiconductor systems and component business.
- Products were comprised of computers and processors running a variety of custom and commercial software programs.
- Engineering and operations groups included software, electrical and mechanical engineers.

1984 - 1991 ATEQ Corporation, Oregon: *Semiconductor Lithography Systems*

Vice President Engineering

- Responsible for Product Engineering (software, electrical, optical, mechanical); Customer/Field Service; Manufacturing; International Operations including an Asian joint venture and a European subsidiary; and corporate Information Technology.
- Products were complex, \$3 million systems used in semiconductor manufacturing; comprised of precision electro-mechanical subsystems integrated with high speed processors in a distributed architecture.
- Direct staff included engineers and developers with advanced degrees in computer science, physics, chemistry, electrical & mechanical engineering.
- Established the methodology for assembly, materials management, and documentation of designs for software, hardware and systems.

1978 - 1984 Spectra-Physics, Inc., California & Oregon: *Laser Scanning Systems*

Manager: Engineering, Production, Manufacturing Engineering

- Managed departments including electronics, software, optical, mechanical and documentation specialists; Management Information Systems, and Human Resources.
- Products included laser scanning systems which interfaced to point-of-sale systems for sales transactions along with inventory tracking and control.
- Extensive preparation and filing of patent applications.

1975 - 1978 Hewlett-Packard, Data Systems Division, Calif.: *Minicomputers*

Manufacturing Engineer and Member of the Technical Staff

- Developed software for Hewlett-Packard's first microprocessor.
- Manufacturing engineer for the first DRAM-based minicomputers.
- Redesigned computer hardware as required to solve problems discovered by customers during testing and in production.

EXPERT ANALYSIS, MEDIATION and TESTIMONY

Representative Cases: Contract Disputes; Intellectual Property; Software

Trial Testimony

For the Plaintiff:

Circuit Court of the State of Oregon, *Anesthesiologists Associated, Inc. v. ProDX / Hepieric, Inc.*
[software development breach-of-contract and negligence action]

Deposition Testimony and/or Expert Reports

For the Plaintiffs:

U.S. District Court for the District of Oregon, *The Regence Group v. TIG Specialty Insurance*, [damages related to automated claims review systems]

For the Defendant:

U.S. District Court for the District of Oregon, *Seiko Epson Corporation v. Green Project, Inc, et. al.* [claim of patent infringement re ink cartridges]

For the Defendant:

Court of Common Pleas, Cuyahoga County, Ohio, *Keybank National Association v. Jeffery G. Hojnacki and Corillian Corp.*
[claim of trade secret misappropriation of computer software code]

For the Plaintiff:

U.S. District Court for the District of Oregon, *Christian Copyright Licensing, Inc. v. Ardent Software*, [software development breach-of-contract action]

For the Defendant:

Superior Court of the State of Washington, *Planeteria Web Design v. TheFence.com, Inc.* [software development breach-of-contract action]

For the Claimant:

American Arbitration Association, *Workshare Technology, Inc. v. Litera Corporation* [copyright infringement related to user interface design]

Computer-Based Evidence Analysis

For the Plaintiff:

U.S. District Court for the District of Oregon, *Orcom Solutions, Inc. v. Utility Solutions, Inc.* [copyright infringement action concerning software code]

For the Plaintiff:

Circuit Court of the State of Oregon for the County of Multnomah, *Oregon Central Credit Union v. Allaway Consultant Group*
[software development breach-of-contract action]

Consultation in Preparation for an A.A.A. Arbitration Hearing

For the Respondent:

Contract dispute involving the development, deployment and hosting of a complex web portal for the health care industry.

Pre-Litigation Mediation and Dispute Resolution

Contract dispute involving the integration, customization and deployment of a software system for retail and on-line shopping.

Contract dispute involving systems software for automated check cashing and fraud detection.