David Nason

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Summary

Senior Technologist with extensive experience ranging from early-stage and high-growth companies to large multi-national corporations; with deep hands-on technology expertise and proven abilities in information technology, software design and architecture, information security, procedures and practices, intellectual property strategy, project organization, business operations, technical vision, and leadership; with proven success in creation, implementation, and execution while establishing a strong leadership culture required to create competitive advantages and achieve corporate objectives.

Experience Overview

- Senior Technologist with a track record of demonstrated success directing technology initiatives that produce high levels of performance and profitability; strong **Technology Management** experience, **Strategic Vision**, **Business Practice**, and **Product Implementation**.

- Enthusiastic leader, with proven ability to build, challenge and motivate teams in order to maximize levels of productivity; **Leadership** mentor and coach.

- Recognized for pioneering **Innovative Solutions** with deep understanding of how technology impacts business.

- Experienced at:
  - successfully managing teams for small, fast-paced projects as well as complex projects with over 200 people; **Individual Contributor; Management of Large Teams and Projects**.
  - designing, modeling and managing the **Product Development Life Cycle** from inception to commercial delivery of world-class product; in-depth hands-on knowledge of software development processes and methodologies (such as Agile (Scrum / XP / Lean), RUP, Rapid Application Development, and Test-Driven Development) and software product release best practices; **Agile Software Development; Software Development Life Cycle; Software Process Management; Project Management; Hands-On Technologist**.
  - successfully developing **Intellectual Property** portfolio; preparing and prosecuting **Patent and Trademark Applications**.
  - optimizing IT **Operations**, managing business **Risk and Compliance**, and IT **Cost and Performance**.
  - 20+ Years **Software Development / Architecture** (C/C++/C#, Objective-C, OOP, Patterns, UX/UI, SDLC),
  - 20+ Years **Windows Development** (MFC, COM/DCOM, ATL/STL, .Net, Qt, DDK),
  - 15 Years **Web Development** (MVC, CSS3, HTML5, XHTML, XML, PHP, Perl, ASP.Net, Ajax, JQuery, Javascript, SQL, MySQL)

- **25 U.S. Patents** and 10 International Patents Issued, additional Patents Pending
  - Patent details available at http://www.nason.net/patents/

Areas of Expertise

Technology	Delivery	Tools
HTML5 / XHTML / CSS3	Responsive Web Design	Agile / Scrum / Lean / XP / RAD / TDD
PHP / MySQL / SQL / XML / XSLT	Adaptive Web Design	Best Practices
Javascript / JQuery / AJAX / Perl / CGI	Standards Compliance	Customer-Driven Design and Orientation
CSS Preprocessing (LESS, Sass)	SEO / SEM	Change Management
REST / JSON / SOAP Interfaces	Google / Bing Analytics	Adobe CS / Photoshop / Illustrator
C / C++ / C# / Objective-C / ASP.Net	Google Adwords / Adsense	Git / Subversion
Web Frameworks (Bootstrap, CakePHP, Zend)	Amazon / Zend / Magento	Moodle / Wordpress / Drupal / Joomla
MVC Architectural Pattern	UX / UI	Google Apps / Tools
OOP / Design Patterns	SDLC	Amazon AWS (EC2, S3)

Projects
- Project details and examples available at http://www.nason.net/projects/

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Employment

Savii, Inc.
Raleigh, NC

2015 – present

- Technology and Strategic Planning
- Intellectual Property Development
- Agile Software Development and Quality Assurance
- SaaS, Web, and Mobile Design and Development
- IT Strategy and Implementation

At Savii, we are building software that caregivers LOVE to use. We are passionate about delivering web and mobile applications that enable our user community to work smarter, deliver better care, and address the ever present challenge of care communication. Our products include Savii Care, end-to-end workflow management tools for private duty home care agencies. Savii Care simplifies and supports the work of caregivers, supervisors, and managers by consolidating multiple tools in a SaaS platform, developed using C#, .Net, and MySQL, along with Objective-C and PhoneGap for iOS and Android mobile platforms. Savii Care's streamlined solution allows care providers to focus on delivering exceptional client care.

Bldg25
Raleigh, NC

2014 – present

- Technology Strategist
- Web Design and Development
- Senior Member of Technical Staff

Bldg25 delivers insight, innovation, and inspiration within the fields of design, learning, development and visualization. Bldg25 is comprised of a team of industry experts in a range of design disciplines, a broad base of knowledge, skills and expertise with a sole focus: creating business value. Projects include web and app development for e-learning, e-commerce, banking, and gamification (PHP, C#, ASP.net, Javascript, MySQL) and incorporating learning, commerce, and content management system platforms and frameworks (Moodle, Magento, SilverStripe, Joomla, Drupal, among others). Bldg25's clients range from small firms to Fortune 500 companies looking for creative solutions that solve their toughest business challenges and move their businesses forward

Nason.net Consultancy
Chapel Hill, NC / Bainbridge Island, WA

2002 – present

- Technology and Strategic Planning and Due Diligence
- Patent and Intellectual Property Development and Analysis
- Technology Product and Project Management
- Emerging Technology Evaluation
- Agile Software Development and Quality Assurance
- Web Design and Development
- IT Strategy and Implementation

Nason.net provides technology executive services - Chief Technology Officer (CTO) and Chief Operating Officer (COO) - to small and medium sized companies and non-profit organizations, advancing the company's vision, strategy, intellectual property, software and architecture, and performing advanced technology assessment and research, technical due diligence, fund-raising, and business development assessments, as well as providing start-ups and other high-growth organizations with strong skills in the strategic, tactical, and management aspects of information technology and the technology planning and management expertise required to build and execute a technology-based business plan. Nason.net also provides small organizations with high-caliber software and web development assets.

- **Akili Software – consultant –** 2015–present – Akili's products include Savii Care, end-to-end workflow management tools for private duty home care agencies. Savii Care simplifies and supports the work of caregivers, supervisors, and managers by consolidating multiple tools in a SaaS platform. Savii Care's streamlined solution, developed using C#, .Net, and SQL, along with Objective-C and PhoneGap for iOS and Android mobile platforms, allows care providers to focus on delivering exceptional client care.

- **ArtsPerfect – consultant–** 2015-present – simplifies the process of finding and buying art and wall décor - for consumers, businesses, and clients of interior-design agencies. ArtsPerfect's web and SaaS model helps customers save time, reducing costs and enhancing their ability to find the art that matches their needs and desires. Innovative web and mobile sales channels, utilizing PHP and MySQL interfaces with PrestaShop eCommerce Marketplace, promote the buying decision and improve the customer experience based on superior personalization, search, product visualization and merchandising of the product.

- **LivingCare** – **consultant** – 2012-2014 – designed and implemented branding and web presence for the corporate headquarters and each of eight properties in Washington, Oregon, California, Texas, and Hawaii. Designed, built and deployed websites (HTML5, CSS3, PHP, jQuery), including highly successful SEO/SEM and Google/Bing analytics campaigns, as well as complete restructuring of IT infrastructure in legacy properties and deployment of cutting-edge IT infrastructure and collaborative intranet.

- **SlingShop** – **consultant** – 2011-2013 – developed Web and IT strategies and led development of *Diggity.com* social content-management site (MVC, MSVC ASP.net, MySQL, NoSQL, using AWS, Rackspace, MongoDB), *Currently.am* interest-based social-aggregator site (MVC, HTML5, CSS3, PHP. SQL) and product catalog (Amazon/Zend) , and *Fanatic.co* social sports app (iPhone, Xcode, Objective-C) .

- **Alliance Enterprises** – **consultant** – 2008-2009 – directed operational policies, objectives, initiatives, and the development of the organization to ensure future growth. Led the company's day-to-day operating activities, including revenue and sales growth, cost and margin control, attainment of short- and long-term financial and operational goals, and maintaining focus and alignment with customer and market needs. Restructured the company to align it with market and product goals, and instituted best practices for all departments, from product development and testing, to customer relations, HR, finance and infrastructure. Reorganized software engineering to implement Agile methods to more effectively develop the company's web-based *Aware* case management system product line.

- **Conenza** – **consultant** – 2007-2008 – led the development of the *Conenza Community Platform* (Cocoon, Spring, Hibernate, Java) for enterprises, implementing best-practices expertise and Agile software development to create a trusted online community where professional and personal connections, collaboration and business opportunities thrive, driving successfully to complete production and delivery to Conenza's first customers: Accenture, Goldman Sachs, and Genentech. Developed technology strategy, established vision, objectives, and strategies for technology development, and defined and implemented international product strategy. Evangelist in fundraising, marketing, and business development, and established strategic relationships for investment and product adoption. Led the enterprise-wide software development organization including on- and off-shore personnel (Seattle, Bangalore).

- **iNuntius** – **consultant** – 2003-2004 – led teams of talented engineers, business professionals and industry visionaries with extensive experience in successfully launching and deploying new technologies and products. iNuntius' *Tornado* high-performance VoIP (SIP) enhanced message and communication solutions include email, voicemail, faxing, paging, and short text messaging to empower consumers by allowing them access to messages, content, and information from any device and location.

Robust Decisions, Inc. (dba RDI Labs)
Seattle, WA / Portland, OR

2011 - 2015

- Co-founder
- Chief technologist developing technology strategy and product roadmap
- Establishing corporate vision, objectives, and strategies
- Developing and prosecuting intellectual property portfolio
- Principal developer of all software products, demos and APIs

At RDI Labs, developed software methods capable of revolutionizing how information systems capture, filter, retrieve, analyze, and present quantitative and qualitative data. RDI's Query Engine™ provides unique and significant value across a number of very large vertical software segments. The Query Engine APIs, developed following MVC patterns and architecture and written primarily in PHP and C#, provide interfaces for development across a number of very large vertical software segments. Showcases written in HTML5, CSS3, PHP and MySQL, and demonstrating responsive Ajax applications include Stream Manager social media monitoring application, eShop Camera Store e-commerce product catalog search application with Amazon/Zend/Magento carts, and Job Match full-spectrum employer-candidate matching application. Led product development, software engineering, and testing activities, and provide strategic and tactical direction for all technology developments. RDI has one issued U.S. Patent and 6 additional Patents Pending.

TeraHop Networks, Inc.
Seattle, WA / Alpharetta, GA

2009 - 2011

- Chief technologist defining and implementing product strategy
- Chief operating officer managing the organization
- Established corporate vision, objectives, and strategies
- Developed technology strategy and product roadmap
- Developed and prosecuted intellectual property portfolio
- Led the research team in new technology invention and development
- Patent portfolio acquired by Google, company closed when funding parent ceased operations

Developing TeraHop's wireless ad hoc mesh networking product lines, served as both Chief Operating Officer and Chief Technology Officer. As COO, established TeraHop's objectives, plans, and policies. Managed the operation of all departments, including project management, product development, finance and operations, to ensure alignment with customer and market needs. Provided guidance, direction, and authorization to carry out major plans and procedures. As CTO, provided strategic and tactical direction for all technology developments, leading product development, hardware and software engineering, and testing activities.

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DeltaPoint, Inc.
Seattle, WA / Portland, OR

2009 – 2010

- Co-founder
- Developed technology strategy and roadmap
- Established vision, objectives, and strategies for technology development
- Defined and implemented international product strategy
- Evangelist in fundraising, marketing, and business development
- Established strategic relationships for investment and product adoption
- Company sold to a medical research institution in 2010

As the CTO at this early stage medical technology company, developing a non-invasive method for diagnosing and monitoring cancer, led all technology developments, commercializing a patent-pending cancer diagnostic imaging biomarker. DeltaPoint's diagnostic software performs "virtual biopsies" on suspected cancers, starting with breast cancer, by analyzing dynamic contrast enhanced magnetic resonance imaging (DCE-MRI) data. The biomarker is the first to reliably and non-invasively discriminate benign from malignant tumors. Product designed to be delivered as SaaS developed using Matlab, .Net, HTML5, CSS3.

eAcceleration Corp.
Poulsbo, WA

2004 - 2008

- Established vision, objectives, and strategies for technology development
- Defined and implemented international product strategy
- Developed and prosecuted intellectual property portfolio
- Led the research team in new technology invention and development
- Led enterprise-wide software development organization consisting of local and remote development teams (Seattle, Kiev, Moscow, Dubna)
- Established world-class real-time customer and technical support organization
- Reversed negative cash-flow, reaching $5M profit ($20M revenue)
- Reversed customer attrition, resulting in net 50k annual customer-base growth

At this computer security software company, served as both Chief Operating Officer and Chief Technology Officer. As COO, established eAcceleration's current and long range objectives, plans, and policies and created a vision for the company and plans for implementation of projects and product lines as well as revenue and sales growth. Managed the operation of all departments, including product development, sales, and support, to ensure alignment with customer and market needs. As CTO, provided strategic direction for all technological developments, led product development, software engineering, and testing activities, determined security policies, analyzed new technologies and performed competitive analyses, focusing manpower on high-level goals. At eAcceleration, wrote and filed two U.S. Patent applications, one of which has been granted to date.

Medius, Inc.
Seattle, WA

2002 - 2003

- Inventor of core technology
- Developed technology and intellectual property strategy

As Chief Technology Officer of this technology startup company, and the principal architect of Medius' patent-pending real-time Critical Decision Systems, built and led the research and development teams that created the Medius Software Platform and the SDKs that enable partners and customers to roll out applications and services. Medius' patent-pending technologies include multi-sensor fusion, image processing, feature extraction, and threat assessment. Medius' technologies are highly portable and flexible, reducing cost of implementation while enhancing productivity, security, safety, and convenience in customer products. Medius' market focus includes the Automotive, Defense, Security, and Manufacturing sectors.

xSides Corporation
Seattle, WA

1993 - 2002

- Invented, developed, and patented core xSides technologies
- Co-founder, company and intellectual property spin-off from Packard Bell NEC
- Developed technology strategy
- Developed and prosecuted intellectual property portfolio
- Architected the cross-platform client for Windows, Macintosh, Linux, VxWorks, WinCE/TVPak
- Invented and patented secure display and I/O technologies

- Designed secure XML transport layer
- Architected secure microkernel and enterprise security products
- Technical Evangelist in fundraising, marketing, and business development

Founder and Chief Technology Officer of this technology startup company spun off from Packard Bell NEC, inventor and principal architect of xSides Corporation's unique and proprietary display technologies and the author of its intellectual property portfolio. As the CTO, built and led the research and development teams that created the xSides software platform and the SDKs that enable our partners and developers to roll out applications and services integrated into the xSides platform.

The xSides platform is a patented technology that takes control of the screen display away from the installed operating-system and provides the highest level of screen priority and security to customers' offerings, helping them create a more convenient and secure channel for the delivery of corporate communications, applications, web-based services, and protected digital content.

In roles as CTO and Chief Scientist, wrote and filed over 50 patent applications. To date, 24 U.S. Patents have been granted (16 of those were allowed on the first Office Action), and 10 International Patents.

Packard Bell NEC
1994 - 1998

- o Architected Packard Bell NEC Navigator product line - shipped over 50 million copies
- o Localized software products in 28 languages (including DBCS and Unicode)
- o Developed data mechanisms to flexibly support all locales, including multiple-language, from single source
- o Managed world-wide software development organization consisting of local and remote development teams (Seattle, Los Angeles, Tokyo, Tel Aviv, Singapore)
- o New xSides technology invention spun off by Packard Bell NEC

As Vice President of Development for Packard Bell NEC's User Interface Division (formed by acquisition and dba Ark Interface II), architected and developed their well-known product offerings, including Packard Bell Navigator and Planet Oasis. These products shipped on more than 50 million machines in 5 years, in 28 languages on 6 continents, selling in retail outlets worldwide and bundled on 3 major OEM brands. Packard Bell NEC (and Ark Interface) products were compatible with all Windows platforms, and were designed to include the most cutting-edge application and internet technologies. Led R&D team in new technology innovation and product development.

Ark Interface, Inc.
1993 – 1994

- o Architected Ark Workspace and Ark Kidspace - retail "shrink-wrapped" products
- o Architected Packard Bell Navigator product line - received critical acclaim worldwide
- o Developed technology and intellectual property strategy
- o Established technical exchange and interaction with strategic partners worldwide
- o Established system design, software process and practices
- o Acquired by Packard Bell NEC

As Chief Engineer and Vice President of Development, architected and developed Ark Interface's well-known product lines. Brand-specific products, such as Ark Workspace, Ark Kidspace, Packard Bell Navigator, Epson FocalPoint, and NEC's Kidspace and Deskspace received critical acclaim. Ark's retail products were highly successful in the market, in part due to the rigorous diligence and testing they received. After acquisition by Packard Bell Corporation, built the small design and development team into a world-class development division. In role as Vice President, organized the development operations strategy and built key corporate partnerships. Ark Interface has two U.S. Patents issued on Graphical User Interface.

Software Grove Corporation
Redmond, WA
1993 - 1994

- Co-founder and inventor of core technology
- Real-Time chat and email communications system
- One of the first internet systems to interface with VoiceMail systems
- Developed technology and intellectual property strategy
- Company was acquired by largest client

Architect and developer of Software Grove Corporation's popular Messages product line, a family of user-friendly and graphical electronic mail and realtime chat products. Established the company's product design and development strategy until the company and its intellectual property were sold in 1994.

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Scott & Scott Systems, Inc.
Seattle, WA

1990 - 1993

- Developed technology and product strategy
- Established new strategic relationships for technology adoption
- Managed research and development organization of 12 software and power engineers
- Architected Windows and AIX applications for worldwide distribution
- Company was acquired by its largest competitor

Designed and developed Scott & Scott's power engineering products, including Distribution Primary Analysis and Graphics (DPA/G), Contingency Analysis, and Optimal Switching Analysis: a family of interactive products designed for engineers to be used for short- and long-range planning, design, simulation and operation studies of electrical distribution systems. Created the Advanced Technologies division, developing new products and expanding the existing product line onto new, high-end platforms. These new products were designed and developed to create a real-time interactive electrical distribution analysis system networking with SCADA systems.

Microsoft Corporation
Redmond, WA

1988 - 1990

- Architected Macintosh and Windows multimedia applications, including Microsoft Bookshelf
- Designed Windows multimedia application toolkit
- Managed strategic relationships with fledgling CDROM industry
- Developed strategic and marketing strategy for multimedia (CDROM) software development
- Left to pursue unique travel and professional growth opportunity

As the Technical Director of Microsoft's Multimedia (CD-ROM) division, spearheaded early efforts in multimedia development, designing and building Microsoft's multimedia tools and first interactive media titles, including Microsoft Bookshelf and The Multimedia Encyclopedia. As architect of the Multimedia division's developments on the PC and Macintosh, created and led a development team with the mandate to design and build the next generation of world class multimedia authoring tools.

Carnegie Mellon University
Pittsburgh, PA

1982 - 1988

- Researcher and architect; developed core components of Mach operating system
- Developed encryption and compression components of Universal Library project
- Managed technology and product strategy and relationships for Library of Congress project
- Left Carnegie Mellon when recruited by Microsoft

As a Research Scientist on the SPICE and Mach research and development teams, designed and developed components of the Accent kernel, the user interface, process control, and screen manager and their subsequent port into the Mach operating environment. The SPICE project, renamed the Mach Project in 1986, is widely considered the basis of the NeXT computer and the core design foundation of Microsoft's NT-based operating systems. Mach's derivatives are still in use in commercial operating systems such as NextStep and OpenStep, and most notably, Mac OS X. Working with the Robotics Institute and the Library of Congress, developed the encryption and compression routines for the Universal Library Project to provide Internet access to paper-based books and periodicals and other authored works.

Volunteer

Keiretsu Forum, Member, 2008 – present
Advisory Board, West Sound Technology Association (WSTA), 2004 – present
Board of Directors, Seattle YMCA, 2008 – 2010
Board of Directors, International Youth Hall of Fame, 1996 – 2004
Strategic Advisory Board, On the Go Technologies, 2011 – 2013
Strategic Advisory Board, Feral Motion, 2011 – 2013

Affiliations

Keiretsu Forum, Member, 2008 – present
West Sound Technology Association (WSTA), 2004 – present
Washington Technology Industry Association (WTIA), 1993 – present
Association for Computing Machinery, Security, Audit and Control, SIGSAC, 2001 – present
Association for Computing Machinery, Computers and Society, SIGCAS, 2001 – present
Association for Computing Machinery, Algorithms and Computational Theory, SIGACT, 1999 – present
Association for Computing Machinery, Computer-Human Interaction, SIGCHI, 1993 – present
Association for Computing Machinery, Computer Graphics, SIGGRAPH, 1983 – present
Institute of Electrical and Electronics Engineers, Computer Society, 1985 – present

Patents

25 U.S. Patents and 10 International Patents Issued

Numerous additional Patents Pending
Complete details available at http://www.nason.net/patents/.