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RESUME

Mark D. Benson

Software and Systems Executive · Minneapolis, Minnesota

SmartThings

SAMSUNG · SINCE FEBRUARY 2022

Head of SmartThings

The platform that connects Samsung's product line into a single, coherent experience, grown from its startup origins to more than 460 million users globally.

SUMMARY

Accomplished C-level technology executive with expertise in strategic, operational, and financial management of businesses primarily driven by software and systems products and services. Proven ability to lead cross-functional teams and execute complex product strategies that drive meaningful outcomes.

SKILLS

Strategy · Product Management · Software and Systems Engineering · Operational Excellence · Organizational Performance

STRENGTHS

Learner · Restorative · Individualization · Achiever · Intellection

PERSONALITY

INFJ-A (Advocate) · Enneagram 3 (Achiever) · DiSC SC (Steady, Conscientious)

CAREER

Oct 2018 – Present — **SmartThings, Samsung** · Head of SmartThings since Feb 2022
Earlier Head of Product and Engineering, Head of Engineering, and Vice President, Cloud Engineering.

Sep 2012 – Oct 2018 — **Exosite** · Chief Technology Officer
Software engineering, product management, competitive strategy, security, and quality.

Oct 2000 – Sep 2012 — **Logic Product Development** · Software Engineer to Director of Software Strategy
Software strategy, embedded software engineering, and several product design programs.

Service: **Consumer Technology Association, Smart Home Board** (2026–). **Founder, Resonant Vector** (2025–), a mission-driven initiative to give back to leaders who lead teams under significant pressure.

54	41	22	10	1
PRESENTATIONS	INTERVIEWS	PUBLICATIONS	PATENTS	BOOK (SPRINGER)

The full CV, with every talk and article: markdbenson.com/cv

01 Experience

SmartThings, Samsung

Minneapolis, Mountain View, India, Indonesia, Bangladesh, China, South Korea — Oct 2018 – Present

Head of SmartThings

Feb 2022 – Present

Nov 2026	**Launched SmartThings API Business and Developer Plans.** Introduced paid plans for business partners and individual developers on the SmartThings cloud API, with near real-time event streaming and an upgraded Developer Center for app registration and usage tracking, while the SmartThings app, automations, and local integrations stay free.
Oct 2026	**Launched the Redesigned SmartThings App with SmartThings Now.** Overhauled the app experience for 470 million registered users, with SmartThings Now cards that surface the right information and controls at the right time, a redesigned Home tab, local control that keeps devices responsive during network disruptions and improves response times by about 30%, and support for Matter 1.6.
Jun 2026	**Launched SmartThings Safe Premium.** Delivered a subscription safety service that routes user-triggered help requests to professional monitoring powered by Arlo, adding 24/7 emergency dispatch on top of a free Basic plan, with GPS-based response and simultaneous alerts to designated Location Members.
Mar 2026	**Launched Credential-Based Home Access with Samsung Wallet.** Delivered tap-to-unlock home access on Galaxy devices through Samsung Wallet and Aliro-certified locks from Aqara, Nuki, ULTRALOQ, and Schlage. Enabled entry-triggered SmartThings routines spanning lights, thermostat, security cameras, and alarm state.
Oct 2025	**Shipped the Aeotec Smart Home Hub 2.** Released the platform's most advanced hub, with 70% faster CPU performance, double the RAM, a 50% smaller footprint, and local-first communication so automations continue running without internet, supporting Zigbee, Thread, and Matter.
Jul 2025	**Launched AI-driven natural-language routine creation.** Introduced the “Routine Creation Assistant” inside SmartThings, enabling users to define home-automations via plain-language commands such as “turn off all the lights when I leave the house,” powered by large-language-model technology.
Oct 2024	**Launched The Connected Home Experience with Ashley Furniture.** Formed a retail partnership to showcase SmartThings in Ashley’s flagship showroom, featuring interactive lifestyle vignettes with 200+ connected devices from Samsung and partner brands. Expanded SmartThings’ presence in furniture retail and simplified smart home discovery for customers.
Aug 2024	**Launched SmartThings Family Care.** Delivered an AI-powered caregiver service that uses motion sensors, smart plugs, wearables, appliances, and other connected devices to learn daily activity patterns, detect anomalies, and provide real-time alerts. Enabled medication and appointment reminders, supported aging-in-place scenarios, and strengthened family connectivity through proactive insights.
Jul 2024	**Achieved ISO 27001 Certification for SmartThings.** Secured ISO/IEC 27001:2022 certification from the British Standards Institution (BSI), validating SmartThings' adherence to international standards for information security management and data protection.
Jun 2024	**Introduced SmartThings Pro.** Unveiled SmartThings Pro at InfoComm 2024, a business-focused evolution of the platform with customizable APIs and AI-powered energy management, driving operational efficiency and sustainability.

May 2024	**Released Map View for 3D Home Visualization.** Introduced a SmartThings feature that generates a 3D home map using hand sketches, uploaded floor plans, or LiDAR mapping from a robot vacuum, giving users a clearer way to visualize and control their smart homes and addressing a top usability pain point. Enabled in-context promotion of partner devices, furniture, and retail solutions.
Mar 2024	**Expanded SmartThings Partnership with Philips Hue.** Deepened collaboration with Philips Hue to integrate the Hue Sync TV app into the SmartThings ecosystem, enabling immersive lighting that synchronizes Philips Hue lights with video and audio on Samsung TVs and creating richer multi-device entertainment routines through the SmartThings app. Strengthened cross-brand device interoperability and elevated home entertainment scenarios for users worldwide.
Oct 2023	**Integrated Tesla Energy Products into SmartThings.** Partnered with Tesla to enable SmartThings control of Powerwall and Solar Roof, providing users with a unified platform for energy management and automation.
Jan 2023	**Launched SmartThings Station at CES.** Introduced an innovative smart home hub that combines Matter support, Zigbee and Thread connectivity, 15W wireless charging, and a Smart Button for triggering home automations.
Jan 2023	**Embedded SmartThings Hub in Family Hub Refrigerators.** Integrated SmartThings Hub functionality into Samsung's Bespoke 4-Door Flex™ refrigerator, eliminating the need for a separate hub while supporting Matter and other smart home protocols.
Jun 2022	**Launched SmartThings Pet Care.** Delivered a connected-pet experience that helps homeowners monitor, locate, and care for their pets, including activity tracking and finding through Galaxy Tags. Also introduced bark detection through robot vacuums such as the JetBot 90 AI+ that can undock, find pets, record clips, and play calming sounds or "pet zen" content on YouTube or Samsung TV Plus. Additionally, owners can trigger pet feeders on a schedule and connect with the Dr. Tail service for remote veterinary guidance.
2018–2023	**Replaced Legacy Technical Debt.** Executed a multi-year initiative (Phoenix project) to modernize SmartThings' backend infrastructure, improving reliability, scalability, and performance across the platform.
Apr 2022	**Redefined SmartThings Vision and Mission.** Recast SmartThings' strategic direction to align with Samsung's broader vision, emphasizing intuitive, trusted, and frictionless connected experiences that drive recurring business value and sustainable differentiation.

Head of Product and Engineering

Jun 2021 – Feb 2022

Jan 2022	**Embedded SmartThings Hub in Samsung TVs & Smart Displays.** Integrated SmartThings Hub functionality directly into select Samsung Smart TVs and Smart Monitors, eliminating the need for a separate hub and simplifying smart home device management.
Oct 2021	**Committed to the Matter Standard.** Announced SmartThings' integration with the Matter smart home standard at the Samsung Developer Conference, enhancing interoperability and enabling seamless connectivity with Matter-certified devices.
Jul 2021	**Launched SmartThings Energy.** Introduced an energy-management service that gives users real-time visibility into household energy consumption, supports AI-based savings recommendations, and integrates with utility demand-response programs to help reduce costs and carbon impact. Expanded SmartThings into sustainability and grid-connected services through partnerships with utilities, appliance manufacturers, and energy providers.
Jun 2021	**Retired Legacy Hubs.** Phased out support for the first-generation SmartThings Hub (2013) and SmartThings Link for NVIDIA SHIELD, driving users to transition to modern hardware for improved platform performance and security.

Head of Engineering

Feb 2020 – Jun 2021

Mar 2021	**Redefined SmartThings Values.** Defined from the bottom up by our employees in partnership with People Operations, a new set of company values (inclusion, trust, collaboration, ownership, resilience, and empathy) was introduced and embedded into company culture and decision-making. Rolled out a performance management framework assessing employees 50% on goal attainment and competencies and 50% on values-driven behavior and leadership, fostering a strong, principle-based workplace culture.
Aug 2020	**Launched Diversity, Equity, Inclusion & Belonging (DEIB) Initiative.** Established an employee-led forum to drive cultural change and integrated DEIB progress into executive bonuses, embedding inclusivity at the core of SmartThings' practices and decision-making.
Aug 2020	**Unified SmartThings App.** Consolidated Samsung's IoT applications—including Samsung Connect, Smart Home, and Smart View—into a single SmartThings app, streamlining user experience by centralizing control over all SmartThings-enabled devices across smartphones, TVs, and cars.
Apr 2020	**Launched SmartThings Find.** Introduced a device-tracking solution that enables users to locate their Galaxy smartphones, tablets, and wearables, even when offline, addressing a growing need for lost device recovery.

Vice President, Cloud Engineering

Oct 2018 – Feb 2020

Oct 2019	**Consolidated to a Single Cloud Platform.** Successfully unified ARTIK Cloud and Samsung Connect Cloud into SmartThings Cloud, enhancing interoperability across Samsung and third-party IoT ecosystems, resulting in a more seamless and scalable smart home platform.
Oct 2019	**Announced Strategic Smart Lighting Partnership.** Partnered with Signify (Philips Hue) to integrate smart lighting control into SmartThings, enhancing the smart home experience.
Sep 2019	**Integrated SmartThings into Samsung Appliances.** Enabled SmartThings functionality in Samsung appliances, such as the Family Hub refrigerator, through an add-on SmartThings dongle, expanding the ecosystem and driving adoption of connected home experiences.
Jan 2019	**Expanded Voice Assistant Integration.** Announced expanded integration with Amazon Alexa and Google Assistant, enabling hands-free control of SmartThings devices and significantly improving accessibility and user engagement.

Exosite

An industrial internet of things platform company · Minneapolis, Taiwan

Chief Technology Officer

Sep 2012 – Oct 2018

Nov 2019	**Recognized in Gartner Magic Quadrant for Industrial IoT Platforms.** Recognized by Gartner's Magic Quadrant for completeness of vision in the Industrial IoT sector (made public after my departure).
Jan 2018	**Achieved ISO/IEC 27001 Certification.** Reinforced Exosite's commitment to information security and data privacy, ensuring compliance with global security standards.
Jan 2018	**Launched ExoSense™ Condition Monitoring Application.** Introduced a turnkey industrial IoT solution enabling manufacturers to rapidly deploy condition monitoring for connected products.
Jul 2017	**Unveiled Exchange, an IoT Marketplace.** Created a centralized marketplace to accelerate connected-product development by providing access to pre-built solutions, data integrations, and business accelerators.
Apr 2017	**Honored as a Titan of Technology.** Recognized by the Minneapolis/St. Paul Business Journal for contributions to the tech industry and IoT innovation.
Jun 2016	**Launched Murano® IoT Platform.** Introduced Murano, a cloud-based IoT platform designed to help businesses efficiently develop, deploy, and manage connected products.
Sep 2016	**Released ExositeReady™ Gateway Engine.** Developed a scalable IoT gateway solution to accelerate industrial connectivity and enable seamless device-to-cloud integration.
Jul 2015	**Received Strategic Investment from Parker Hannifin.** Strengthened Exosite's global expansion efforts and enhanced industrial IoT capabilities through a strategic equity investment from Parker Hannifin Corporation.
Sep 2012	**Introduced Exosite Portals IoT Platform.** Launched a multi-tenant, cloud-based IoT platform, empowering businesses to create and manage connected solutions at scale.

Logic Product Development

A product development consultancy for embedded software, electronics, and full product design · Minneapolis, Carlsbad, Boston

Oct 2000 – Sep 2012

Director of Software Strategy

Feb 2011 – Sep 2012

- **Led Product Software Development and Engineering Talent Management.** Drove recruitment, mentorship, and career growth initiatives to attract and retain top talent in software engineering and product development.
- **Shaped and Communicated Corporate Software Strategy.** Identified key technologies and partnerships that strengthened Logic PD's market position and ensured long-term business stability.
- **Drove Technology Innovation.** Co-led the Technology Roadmap Development program, fostering company-wide contributions that enhanced the IP portfolio and guided future innovation efforts.
- **Launched and Expanded the 3rd Party Partner Program.** Built strategic business relationships that provided value-added solutions for customers and reinforced Logic PD's reputation as a trusted technology advisor.
- **Established the Early Adopter Program (EAP).** Provided key customers with early access to hardware and software, accelerating feedback cycles and strengthening market adoption.

Director of Embedded Software Engineering

Sep 2009 – Feb 2011

- **Directed Service Software Development Engineering Talent.** Led recruitment, offers, reviews, training, career development, and mentoring efforts to achieve $2.2M in annual revenue with $0.9M gross margin.
- **Developed Business Through Client Engagement.** Presented product development services to potential clients via project plans, statements of work, terms and conditions, and consultative selling techniques.
- **Managed Design Service Resource Staffing.** Assigned personnel to product development projects using sales forecasts, yield projections, and resource modeling techniques to optimize efficiency.
- **Introduced Monte Carlo Risk Assessment.** Implemented Monte Carlo methods, tools, and processes for the business development team to quantitatively assess design service program risk, improving pricing strategies for fixed-bid programs.
- **Program and Systems Lead for ITAR-Rated Soldier Vision System.** Led a $1.8M design services program with a 30+ member team over 18 months, delivering mission-critical defense technology.

Senior Software Engineer

Oct 2007 – Sep 2009

- **Led Design and Implementation of ISO 13485-Compliant QMS.** Directed a team of managers and executives to design, implement, and roll out an ISO 13485-compliant Quality Management System, enabling 125 employees to meet regulatory standards under an aggressive timeline.
- **Led Development of Next-Generation Portable Video Borescope.** Managed a geographically distributed team to design a Linux and TI-OMAP-based video borescope, driving innovation in portable imaging technology.
- **Facilitated Software Study Group.** Organized and led a study group for 30 highly motivated software engineers, senior software engineers, and principal systems engineers to enhance technical knowledge and collaboration.
- **Led Project Management Improvement Group.** Developed a structured project management process and provided training and mentoring to ensure consistency and efficiency across teams.

- **Led Development of Engine Trend Monitoring Device.** Managed a multi-discipline team of engineers to create an Engine Trend Monitoring system for Turbo-Prop Commuter Planes and Homebuilt aircraft, enhancing operational safety and performance monitoring.
- **Participated in Medical Practice Team.** Contributed to the expansion of Logic's capabilities in the medical field, increasing brand awareness and market positioning within the industry.
- **Led Software Process Improvement Group.** Refined software development processes and provided training and mentoring to enhance efficiency, quality, and team adoption of best practices.
- **Developed MFC Application for Heart-Lung Machine Control.** Created an application to control a heart-lung machine (HLM) bio-pump, leveraging an XScale PXA255 Windows CE 4.20 hardware platform for real-time medical device operation.

Software Engineer

Oct 2000 – Oct 2007

Joined as Associate Software Engineer in October 2000; Software Engineer from 2002.

- **Led Development of Software Development Process.** Managed a team of four Senior Software Engineers to define and implement Logic's Software Development Process, including associated templates and forms.
- **Wrote U-Boot Extension for Traffic Camera System.** Developed a U-Boot extension to manage a Broadband over Powerline (BoP) chipset for a traffic camera system, enhancing networked traffic monitoring capabilities.
- **Developed Inventory Scanner System for Bicycle Shops.** Designed and implemented an inventory management system using Windows CE, C++, and a PXA270-based Symbol Scanner device to streamline retail operations.
- **Managed Development of Handheld Wireless Voice-Controlled Music System.** Led a distributed team of engineers to create a platform enabling voice-controlled music and information access on a handheld device.
- **Developed User-Mode Linux Application for Digital Potentiometer Control.** Created a C-based Linux application to read and write to an Analog Devices 5245 digital potentiometer using the I2C protocol.
- **Developed Linux Board Support Package (BSP) for Brain-State Assessment Device.** Built a Linux BSP using C, gcc, binutils, and glibc for a TI OMAP 5910-based medical device assessing brain activity.
- **Developed Windows CE DLL for Automobile Engine-Analysis Scope.** Designed a DLL to communicate over Microsoft ActiveSync RAPI (Remote API), enabling seamless data transfer between a PC and an engine-analysis scope.
- **Led Pacemaker and Defibrillator Software Porting Project.** Directed a team of seven engineers over two years to port pacemaker and defibrillator software from QNX RTOS to a next-gen platform based on Red Hat Linux.
- **Developed Mapping Application for Infrared Laser Radar Devices.** Created a mapping system using Microsoft .NET, C#, C++, and GDI+ to manage an array of infrared laser radar devices and night-vision cameras.
- **Developed Drug Testing and Chain-of-Custody Application.** Built a .NET-based application using COM+ and Microsoft SQL Server to digitize and streamline drug testing and chain-of-custody documentation.
- **Developed Automated and Manual Testing for Fiber-Optic Safety Sensor.** Designed and executed automated and manual tests using an oscilloscope and signal generator to verify the functionality of a safety-critical fiber-optic sensor.
- **Developed GUI Application for Programming Industrial Safety Sensors.** Built a dynamic GUI application using MFC and C++ that allowed industrial safety sensors to be programmed via XML-based configuration.
- **Designed Custom Language and Interpreter for Print Automation System.** Collaborated with two Software Engineers to develop a specialized language and interpreter using C and a Hitachi H8S microcontroller to control a printer laminator/cutter/stapler/stacker device.

02 Education

2005 – 2007 **University of Minnesota, Twin Cities** · Minneapolis, Minnesota
Master of Science, Software Engineering. Studied extensible language grammars and lock-free memory abstractions for multi-threaded applications.

1997 – 2001 **Bethel University** · Arden Hills, Minnesota
Bachelor of Science, Computer Science. Studied computer science and minored in mathematics. Bible study leader. Bass player at chapel and vespers. Tennis team captain.

EXECUTIVE EDUCATION

Harvard Business School
Leading Professional Service Firms · 2011

Areas of focus: strategic growth and adaptation, leadership and talent development, culture and engagement, decision-making and influence.

03 Publications

Jan 2018 **Avoiding the Pitfalls: Five Tactics for IoT Program Leaders** · IoT Central

Oct 2017 **The Organizational Psychology of IoT** · IoT Agenda

Jul 2017 **Tiers of User Experience for Smart Connected Appliances** · Appliance Design Magazine

Apr 2017 **Building An Organizational IoT Competency: What You Need To Know** · Forbes

Mar 2017 **The Voice of Machine Learning Starts and Ends With Humans** · Embedded Computing Design

Feb 2017 **How the Internet of Things is Changing Corporate Innovation** · IoT Agenda

Dec 2016 **Five Avoidable Complications Of Corporate IoT Innovation Programs** · Forbes

Oct 2016 **Best Practices in Predictive Maintenance for Connected Industrial Equipment** · Industrial Equipment News

Sep 2016 **5 Best Practices For Winning the IoT Security Arms Race** · Dark Reading

Aug 2016 **IoT Organizational Readiness for Multiunit Industrial Enterprises** · IoT Innovator

Jun 2016 **Don't Design from Scratch When You Can Do an In-field Retrofit** · Embedded Computing Design

Apr 2016 **IoT for Durable Goods Manufacturing: An Exercise in Business Transformation** · IoT Now

Apr 2016 **Eleven Myths About Data Analytics for IoT Device Fleets** · Electronic Design

Apr 2016 **What Makes IoT Security So Hard?** · Security Ledger

Jan 2014 **The Art of Software Thermal Management for Embedded Systems** · Springer Verlag

Aug 2012 **Software Thermal Management with TI OMAP Processors** · Electronic Engineering Journal

Jul 2012 **Developing Embedded Hybrid Code Using OpenCL** · Real Time Computing Magazine

Jun 2012 **The Influence of Mass-Market Design Patterns from Adjacent Industries on the Development of Niche Diagnostic Devices** · Medical Design Technology Magazine

Feb 2012 **Intelligent Data Management for Wireless Medical Devices** · Medical Device and Diagnostic Industry Guide to Outsourcing

Aug 2011 **Domain-Driven Device Cloud Design with Monte Carlo Methods** · Embedded Systems Design

Aug 2011 **Wireless in Telehealth: Critical Considerations for Technology Adoption** · Embedded Computing Design

Jul 2011 **Minimizing Technology Drift in Vertically-Integrated Medical Device Companies via Strategic Outsourcing** · Medical Device Technology Magazine

04 Presentations

Oct 2026 **Environment, Economics, and Experience: What's Really Driving Smart Home Energy Adoption** · CTA Smart Home Retreat (moderator)

Sep 2026 **Leading Teams to Thrive Under Pressure** · Bethel University BUnited Alumni Networking Breakfast

Nov 2025 **The Hard Truth About IoT – Overcoming Deployment Challenges** · UW–Madison E-Business Consortium

Sep 2025 **The Future is Connected: Insights on Smart Products from the Front Lines of Innovation** · UW–Madison E-Business Consortium

Sep 2025 **Channel Spectrum: DIY to Professional** · CTA Smart Home Retreat

Sep 2025 **Scaling Intelligence: Leadership Lessons from Building a 400-Million-User Platform** · Fox & Hounds Executive Network

May 2025 **Leading from the Inside Out** · Bethel University Physics and Engineering Department

Jan 2025 **Matter: Industry Collaboration for a Sustainable Smart Home** · Consumer Electronics Show

Apr 2024 **Fireside Chat with Mark Benson** · Samsung eXperience

Jan 2024 **Minnesota Roots: A Leadership Career in Smart Home Tech** · Willmar Rotary Club

Jan 2024 **US Cyber Trust Mark Panel** · Consumer Technology Association

Jan 2024 **Smart home trends: growth factors, challenges, and opportunities** · Parks Associates CONNECTIONS

Jan 2024 **Harmony in Diversity: Partnering for the Next Generation of Smart Living** · Association for Smarter Homes and Buildings

May 2023 **Overcoming the top 3 barriers to mass adoption of smart home technology** · Parks Associates CONNECTIONS

Mar 2023 **Infinite Diversity in Infinite Combinations: The Birth of the True Smart Home** · MIT Media Lab

Jan 2023 **Bringing Calm to Our Connected World** · Consumer Electronics Show

Oct 2022 **The Future of the Smart Home** · Wall Street Journal Techlive

Oct 2022 **Samsung Developer Conference Keynote** · Samsung Developer Conference

Sep 2022 **Empathy at the Edge: Innovating for the Next Generation of Smart Home Living** · Computer History Museum Keynote

Mar 2022 **Building for Tomorrow: Smart Multi-Dwelling Units and Next-Gen Resident Experiences** · Ruckus Big Dogs Keynote

Jan 2022 **Together for Tomorrow** · Consumer Electronics Show Keynote

Aug 2019 **Predictions on Conversational AI, Fog Computing, and Digital Privacy** · CIO Synergy

Sep 2018 **IoT Cybersecurity and Innovation for Regulated Industries** · Harvard Club of NYC

Mar 2018 **Making IoT Work For Your Organization: Lessons Learned in Digital Transformation** · Smart IoT London

Nov 2017 **The Smart Business of Smart Things** · Agile Day Twin Cities

Jun 2017 **The Organizational Psychology of the Internet of Things: How to Use Technology to Drive Behavioral Change** · Sensors Expo

Jun 2017 **Building an Organizational IoT Competency: How to Prevent Disaster** · IoT Slam

Jun 2017 **Organizational Leadership: Building a Sustainable Cyber-Physical Security Competency** · University of Minnesota

May 2017 **IoT for Organizations: Avoiding Common Pitfalls** · University of Wisconsin-Madison

Feb 2017 **Improving Energy Efficiency of Intelligent Buildings with Smart IoT Retrofits** · AHR Expo

Sep 2016 **Data Analytics for IoT Device Deployments: Industry Trends and Architectural Trade Offs** · Sensors Midwest

Sep 2016 **Enabling Service-Delivery Business Models with Remote Sensing Technology** · Sensors Midwest

Sep 2016 **Future on Water: IoT Infiltration into Water Management Solutions** · Minnesota Water Technology Summit

Sep 2016 **Monetizing in New Technology Spaces** · Frost & Sullivan Growth, Innovation, and Leadership

Sep 2016 **The Rise of Platforms in the IoT** · Peggy Smedley Institute

Jul 2016 **Beyond the Dashboard: Business Process Optimization Through IoT Data Analytics** · IoT Evolution

Jun 2016 **A Modern Platform Approach for Creating Smart Connected Products** · Sensors Expo

Jun 2016 **Developing a Future-Proof IoT Roadmap for Connected Devices and Data** · Sensors Expo

May 2016 **Business Analytics and the Internet of Things** · Minnetonka Vantage Advanced Professional Studies

Apr 2016 **IoT: It Takes an Ecosystem** · IoT Fuse

Jan 2016 **Industrial Business Transformation Through Connected Products** · IoT Evolution

Jan 2016 **Building Sticky Brand Loyalty with a Connected Product Strategy** · IoT Evolution

May 2015 **Understanding and Mitigating IoT Security Hazards** · Internet of Things Developers Conference

Apr 2015 **Internet of Things Security Patterns** · Internet of Things Stream Conference

Apr 2015 **Disruptive Innovation Through IoT** · Financial Executives International

Mar 2015 **Five Phases of IoT: A Market Maturity Model for the New Connected Device Economy** · IoT Fuse

Mar 2015 **Internet of Things: Opportunities Abound As We Live an Increasingly Connected Life** · Minnesota High Tech Association

Jan 2014 **A Micro-Vertical Engine Approach for Rapid IoT Mass Customization** · M2M Evolution

Apr 2013 **Cloud 101 for Embedded Designers** · Design West

Mar 2013 **Introduction to the M2M Ecosystem: Emerging Trends** · IoT Twin Cities

Jul 2012 **Trading Power and Performance to Achieve Optimal Thermal Design for Battery-Powered Devices** · Communications, Microsystems, Optoelectronics, and Sensors

May 2012 **Preparing For Future Health Technology Trends by Analyzing Current Consumer Demand** · American Telemedicine Association

Mar 2012 **Multi-Core Architectural Decomposition Methods for Low-Power Symmetric and Asymmetric Multi-Processing** · Design West

Mar 2011 **Android Adoption and its Economic Impacts to Product Software Strategy** · Real-Time & Embedded Computing Conference

05 Interviews

Mar 2025 **Inside the AI-Powered Home: Samsung's Vision for the Future** · Adweek – Speed of Culture Podcast

Jul 2024 **This New Line of Smart Lights Will Elevate Your Kitchen** · Men's Journal

Jul 2024 **GE Lighting and SmartThings Collaboration Enhances Kitchen Lighting Experience** · Slice of Real Estate

Jun 2024 **SmartThings boss still hoping for a Matter utopia** · The Ambient

Jun 2024 **Smart home solutions for outdoors season** · Realtor Magazine

Aug 2023 **What to know about smart home tech** · Zillow

Nov 2022 **Where SmartThings fits into the new Matter smart home standard** · Tech Hive

Oct 2022 **Samsung wants to control your Matter smart home with SmartThings** · The Ambient

Aug 2022 **Smart Kitchens Might Not Turn You Into 'The Bear,' But They Can Heat up Your Cooking Skills** · Mansion Global

May 2022 **How Samsung's SmartThings is thinking about Matter and the future of the smart home** · The Verge

Apr 2022 **Bethel Alumnus Leading in Fast-Changing Smart Home Market** · Bethel University

Mar 2022 **Smart technology is amping up home entertainment** · Axios

Jun 2020 **SmartThings will kill legacy features to make a smarter home** · Stacey on IoT

Jun 2020 **Podcast: Apple embraces IoT and SmartThings shakes things up** · Stacey on IoT

Jun 2020 **Why Samsung's SmartThings arm is pivoting entirely into software** · Business Insider

May 2020 **The Samsung Galaxy Home is still MIA. Will it ever be released?** · Digital Trends

Jul 2018 **5 Reasons IoT Security Is Becoming A Priority** · Cyber Security Hub

Apr 2018 **IoT Devices At Forefront Of Cyber Security Efforts** · Cyber Security Hub

Apr 2018 **Nine Things That Are Poised To Impact Cybersecurity** · Forbes

Mar 2018 **Applying Smart Building Technology in Multi-Tenant Properties** · TechTarget IoT Agenda

Mar 2018 **How To Tackle Big Challenges Associated With Cloud Migration** · Forbes

Mar 2018 **14 Ways AI Will Benefit Or Harm Society** · Forbes

Feb 2018 **Smart Burgers: Smart Buildings Grow With Opportunity** · Electrical Contractor Magazine

Nov 2017 **Augmented Reality: AR Technology Finds It's Place in Manufacturing And Maintenance** · Distributed Energy Magazine

Nov 2017 **Trends and innovations in Industrial IoT** · The Manufacturer

Oct 2017 **8 Mistakes that Derail IoT Projects** · Datafloq

Jun 2017 **IoT for Smart Buildings** · Modern Tek News, KZSU Stanford 90.1 FM

Apr 2017 **Weakening Net Neutrality: What It Will Mean** · Forbes

Apr 2017 **Empowering the Internet of Things Generation** · Middle Market Executive

Mar 2017 **My Toaster Hacked The Pentagon: What You Can Do To Secure Your IoT Devices** · Forbes

Feb 2017 **How To Shore Up Your Defenses Against DDoS Attacks** · Forbes

Feb 2017 **Machine Learning And Analytics: What's Your First Step?** · Forbes

Jan 2017 **8 Tips for Building a Cost-Effective IoT Sensor Network** · Computer World

Oct 2016 **Murano Positions Exosite Squarely in the IoT Platform Market Melee** · TechTarget IoT Agenda

Oct 2016 **IT, OT, and Vying for Control of the IoT Connectivity Platform** · Embedded Computing Design

May 2016 **Help Wanted: IoT Expertise** · The Economist

Apr 2016 **Wearables Go To Work** · CIO Magazine

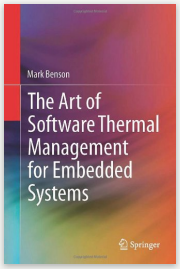
Feb 2016 **IoT Evolution Interview with Exosite** · TMCnet

Apr 2015 **Why MSP is the once, current and future Internet of Things (IoT) alley** · The Line Magazine

Jul 2012 **Small-Form-Factor Embedded Computing Shrinks Processing for Unmanned Vehicles and Other Tiny Applications** · Military & Aerospace Electronics Magazine

Dec 2011 **Make Money with Android 4.0** · Linux User & Developer Magazine

06 Book



The Art of Software Thermal Management for Embedded Systems

Springer, New York, 2014

Used in colleges and universities, this book introduces Software Thermal Management as a means of reducing power consumption in a computing system to manage heat, improve component reliability, and increase system safety. Whereas most books on thermal management describe mechanisms to remove heat, this book focuses on software techniques to avoid generating heat in the first place.

markdbenson.com/books/stmes

07 Service

Since 2026 **Consumer Technology Association (CTA)**
Smart Home Board

Since 2025 **Founder, Resonant Vector**
A mission-driven initiative to give back to leaders who lead teams under significant pressure. Resonant Vector™ is the home of Pressure Intelligence™, a performance framework for leaders and teams, with one mission: converting pressure into performance.
resonantvector.com

08 Honors

Dec 2023 **Parks Associates Top Leader in Technology, Connected Home and Security**
Apr 2017 **Titans of Technology, Minneapolis/St. Paul Business Journal**
Aug 2016 **Forbes Technology Council, invited member**
Oct 2015 **Executive Corner** · Hewlett Packard Enterprise
May 2015 **Meet a Minnesota CTO** · TECHdotMN

09 Patents

2026 **Virtual Twin of a Smart Dwelling** · Application (pending) · US20260050366A1
2026 **Transferring Ownership of a Virtual Model of a Smart Dwelling** · Application (pending) · US20260050245A1
2018 **Configuring network access parameters** · Granted · U.S. 10,085,147
2018 **Gateway-Facilitated Communications for Resource-Constrained Devices** · Granted · U.S. 9,876,850
2017 **Facilitating communication between smart object and application provider** · Granted · U.S. 9,848,063
2016 **Systems, devices and methods for provisioning, pairing and activating a newly manufactured device for automatic joining of customer's network** · Granted · U.S. 9,313,099
2015 **Modularized communication device** · Application (PCT, not pursued) · WO2015191577A1
2014 **Methods for embedding device-specific data to enable remote identification and provisioning of specific devices** · Granted · U.S. 8,857,705
2014 **Methods for embedding device-specific data to enable remote access to real time device data** · Granted · U.S. 8,857,704
2013 **Method for embedding device-specific data to enable provisioning a device with a mobile device** · Application (abandoned) · US20130210412A1