RESUME

MARK BENSON

Software & Systems Executive

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SUMMARY

Accomplished C-level technology executive with expertise in strategic, operational, and financial management of businesses focused on software and systems products and services. Proven ability to lead cross-functional teams and execute complex product strategies that drive focused outcomes. Strong interpersonal and formal communication skills.

SPECIALTIES

- **SKILLS:** Strategy | Product Management | Software Engineering | Operational Excellence | Organizational Performance
- **STRENGTHS/PERSONALITY**: Learner, Restorative, Individualization, Achiever, Intellection
- **PERSONALITY:** INFJ-A (Advocate) | Enneagram Type 3 (Achiever) | DiSC SC (Steady/Conscientious)

METRICS

47	40	22	8
KEYNOTES	*INTERVIEWS*	*PUBLICATIONS*	*PATENTS*

EDUCATION

Harvard Business School • Cambridge, MA (2011)

Executive Education: Leading Professional Service Firms
Areas of focus: strategic growth & adaptation, leadership & talent development, culture & engagement, decision-making & influence.

University of Minnesota • Minneapolis, MN (2005-2007)

Master of Science, Software Engineering
Studied extensible language grammars and lock-free memory abstractions for multi-threaded applications.

Bethel University • Arden Hils, MN (1997-2001)

Bachelor of Science, Computer Science
Studied computer science and minored in mathematics. Bible study leader. Bass player at chapel/vespers. Tennis team captain.

BOOK

The Art of Software Thermal Management for Embedded Systems

An introduction to the art of controlling the thermodynamic behavior of computing systems with software. *Published by Springer, New York (2014).*

EXPERIENCE SUMMARY

Head of SmartThings / Samsung

Minneapolis | Mountain View | India | Indonesia | Bangladesh | China | South Korea (Oct 2018 - Present)
Responsible for SmartThings, a wholly owned subsidiary of Samsung.

Chief Technology Officer / Exosite

Minneapolis | Taiwan (Sept 2012 - Oct 2018)
Responsible for software engineering, product management, competitive strategy, security, and quality.

Director of Software Engineering / Logic Product Development

Minneapolis | Carlsbad | Boston (Oct 2000 - Sept 2012)
Responsible for software strategy, embedded software engineering, and several product design programs.

EXPERIENCE

Head of SmartThings

Feb 2022 - Present

- **Launched SmartThings Family Care** (August 2024): Introduced a caregiver-focused service that leverages AI and connected devices to monitor daily activity patterns, send alerts, and assist with scheduling medication reminders and medical appointments.
- **Achieved ISO 27001 Certification for SmartThings** (July 2024): 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.
- **Introduced SmartThings Pro** (June 2024): 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.
- **Released Map View for 3D Home Visualization** (May 2024): Launched a new SmartThings feature that enables users to create a 3D map of their home, simplifying device management with real-time monitoring of security cameras, temperature, energy usage, and more.
- **Integrated Tesla Energy Products into SmartThings** (October 2023): Partnered with Tesla to enable SmartThings control of Powerwall and Solar Roof, providing users with a unified platform for energy management and automation.
- **Launched SmartThings Station at CES** (January 2023): 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.
- **Embedded SmartThings Hub in Family Hub Refrigerators** (January 2023): 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.
- **Replaced Legacy Technical Debt** (2018–2023): Executed a multi-year initiative (Phoenix project) to modernize SmartThings' backend infrastructure, improving reliability, scalability, and performance across the platform.
- **Redefined SmartThings Vision and Mission** (April 2022): 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 / SmartThings

Jun 2021 – Feb 2022

- **Embedded SmartThings Hub in Samsung TVs & Smart Displays** (January 2022): 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.
- **Committed to the Matter Standard** (October 2021): Announced SmartThings' integration with the Matter smart home standard at the Samsung Developer Conference, enhancing interoperability and enabling seamless connectivity with Matter-certified devices.
- **Retired Legacy Hubs** (June 2021): 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.

EXPERIENCE

Head of Engineering / SmartThings

Feb 2020 – Jun 2021

- **Redefined SmartThings Values** (March 2021): Defined from the bottoms up by our employees in partnership with People Operations, a new set of company values (inclusion, trust, collaboration, ownership, resilience, and empathy) were 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.
- **Launched Diversity, Equity, Inclusion & Belonging (DEIB) Initiative** (August 2020): 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.
- **Unified SmartThings App** (August 2020): 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.
- **Launched SmartThings Find** (April 2020): 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 / SmartThings

Oct 2018 – Feb 2020

- **Integrated SmartThings into Samsung Appliances** (September 2019): 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.
- **Announced Strategic Smart Lighting Partnership** (October 2019): Partnered with Signify (Philips Hue) to integrate smart lighting control into SmartThings, enhancing the smart home experience.
- **Expanded Voice Assistant Integration** (August 2018): Announced integration with Amazon Alexa and Google Assistant, enabling hands-free control of SmartThings devices and significantly improving accessibility and user engagement.
- **Consolidated to a Single Cloud Platform** (June 2018): 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.

EXPERIENCE

Chief Technology Officer / Exosite

Sept 2012 – Oct 2018

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

Director of Software Strategy / Logic PD

Feb 2011 - Sept 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 / Logic PD

Sept 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.

EXPERIENCE

Senior Software Engineer / Logic PD

October 2007 - Sept 2009

- **Led Design and Implementation of ISO13485-Compliant QMS**: Directed a team of managers and executives to design, implement, and roll out an ISO13485-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 / Logic PD

May 2001 - October 2007

- **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.

PRESENTATIONS

Benson, Mark. "Matter: Industry Collaboration for a Sustainable Smart Home." *Consumer Electronics Show*. January 08, 2025.

Benson, Mark. "Fireside Chat with Mark Benson." *Samsung eXperience*. April 18, 2024.

Benson, Mark. "Minnesota Roots: A Leadership Career in Smart Home Tech." *Willmar Rotary Club*. January 24, 2024.

Benson, Mark. "US Cyber Trust Mark Panel." *Consumer Technology Association*. January 11, 2024.

Benson, Mark. "Smart home trends: growth factors, challenges, and opportunities." *Parks Associates CONNECTIONS*. January 09, 2024.

Benson, Mark. "Harmony in Diversity: Partnering for the Next Generation of Smart Living." *Association for Smarter Homes and Buildings*. January 08, 2024.

Benson, Mark. "Overcoming the top 3 barriers to mass adoption of smart home technology." *Parks Associates CONNECTIONS*. May 25, 2023.

Benson, Mark. "Infinite Diversity in Infinite Combinations: The Birth of the True Smart Home." *MIT Media Lab*. March 09, 2023.

Benson, Mark. "Bringing Calm to Our Connected World." *Consumer Electronics Show*. January 05, 2023.

Benson, Mark. "The Future of the Smart Home." *Wall Street Journal Techlive*. October 25, 2022.

Benson, Mark. "Samsung Developer Conference Keynote." *Samsung Developer Conference*. October 12, 2022.

Benson, Mark. "Empathy at the Edge: Innovating for the Next Generation of Smart Home Living." *Computer History Museum Keynote*. September 28, 2022.

Benson, Mark. "Building for Tomorrow: Smart Multi-Dwelling Units and Next-Gen Resident Experiences." *Ruckus Big Dogs Keynote*. March 23, 2022.

Benson, Mark. "Together for Tomorrow." *Consumer Electronics Show Keynote*. January 04, 2022.

Benson, Mark. "Predictions on Conversational AI, Fog Computing, and Digital Privacy." *CIO Synergy*. August 29, 2019.

Benson, Mark. "IoT Cybersecurity and Innovation for Regulated Industries." *Harvard Club of NYC*. September 12, 2018.

Benson, Mark. "Making IoT Work For Your Organization: Lessons Learned in Digital Transformation." *Smart IoT London*. March 21, 2018.

Benson, Mark. "The Smart Business of Smart Things." *Agile Day Twin Cities*. November 17, 2017.

Benson, Mark. "The Organizational Psychology of the Internet of Things: How to Use Technology to Drive Behavioral Change." *Sensors Expo*. June 28, 2017.

Benson, Mark. "Building an Organizational IoT Competency: How to Prevent Disaster." *IoT Slam*. June 22, 2017.

Benson, Mark. "Organizational Leadership: Building a Sustainable Cyber-Physical Security Competency." *University of Minnesota*. June 07, 2017.

Benson, Mark. "IoT for Organizations: Avoiding Common Pitfalls." *University of Wisconsin-Madison*. May 03, 2017.

Benson, Mark. "Improving Energy Efficiency of Intelligent Buildings with Smart IoT Retrofits." *AHR Expo*. February 01, 2017.

Benson, Mark. "Data Analytics for IoT Device Deployments: Industry Trends and Architectural Trade Offs." *Sensors Midwest*. September 28, 2016.

Benson, Mark. "Enabling Service-Delivery Business Models with Remote Sensing Technology." *Sensors Midwest*. September 28, 2016.

Benson, Mark. "Future on Water: IoT Infiltration into Water Management Solutions." *Minnesota Water Technology Summit*. September 20, 2016.

Benson, Mark. "Monetizing in New Technology Spaces." *Frost & Sullivan Growth, Innovation, and Leadership*. September 13, 2016.

Benson, Mark. "The Rise of Platforms in the IoT." *Peggy Smedley Institute*. September 09, 2016.

Benson, Mark. "Beyond the Dashboard: Business Process Optimization Through IoT Data Analytics." *IoT Evolution*. July 13, 2016.

Benson, Mark. "A Modern Platform Approach for Creating Smart Connected Products." *Sensors Expo*. June 13, 2016.

Benson, Mark. "Developing a Future-Proof IoT Roadmap for Connected Devices and Data." *Sensors Expo*. June 12, 2016.

Benson, Mark. "Business Analytics and the Internet of Things." *Minnetonka Vantage Advanced Professional Studies*. May 11, 2016.

Benson, Mark. "IoT: It Takes an Ecosystem." *IoT Fuse*. April 12, 2016.

Benson, Mark. "Industrial Business Transformation Through Connected Products." *IoT Evolution*. January 27, 2016.

Benson, Mark. "Building Sticky Brand Loyalty with a Connected Product Strategy." *IoT Evolution*. January 27, 2016.

Benson, Mark. "Understanding and Mitigating IoT Security Hazards." *Internet of Things Developers Conference*. May 01, 2015.

Benson, Mark. "Internet of Things Security Patterns." *Internet of Things Stream Conference*. April 02, 2015.

Benson, Mark. "Disruptive Innovation Through IoT." *Financial Executives International*. April 01, 2015.

Benson, Mark. "Five Phases of IoT: A Market Maturity Model for the New Connected Device Economy." *IoT Fuse*. March 02, 2015.

Benson, Mark. "Internet of Things: Opportunities Abound As We Live an Increasingly Connected Life." *Minnesota High Tech Association*. March 01, 2015.

Benson, Mark. "A Micro-Vertical Engine Approach for Rapid IoT Mass Customization." *M2M Evolution*. February 01, 2014.

Benson, Mark. "Cloud 101 for Embedded Designers." *Design West*. April 24, 2013.

Benson, Mark. "Introduction to the M2M Ecosystem: Emerging Trends." *IoT Twin Cities*. March 14, 2013.

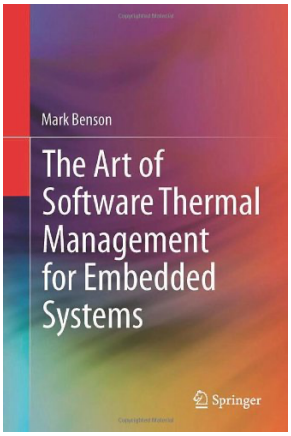
Benson, Mark. "Trading Power and Performance to Achieve Optimal Thermal Design for Battery-Powered Devices." *Communications, Microsystems, Optoelectronics, and Sensors*. July 18, 2012.

Benson, Mark. "Preparing For Future Health Technology Trends by Analyzing Current Consumer Demand." *American Telemedicine Association*. May 01, 2012.

Benson, Mark. "Multi-Core Architectural Decomposition Methods for Low-Power Symmetric and Asymmetric Multi-Processing." *Design West*. March 27, 2012.

Benson, Mark. "Android Adoption and its Economic Impacts to Product Software Strategy." *Real-Time & Embedded Computing Conference*. March 22, 2011.

PUBLICATIONS



The Art of Software Thermal Management for Embedded Systems

Used in colleges and university, 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.

Published by Springer Verlag (2014)

More information

Benson, Mark. "Avoiding the Pitfalls: Five Tactics for IoT Program Leaders." *IoT Central*. January 09, 2018.

Benson, Mark. "The Organizational Psychology of IoT." *IoT Agenda*. October 23, 2017.

Benson, Mark. "Tiers of User Experience for Smart Connected Appliances." *Appliance Design Magazine*. July 17, 2017.

Benson, Mark. "Building An Organizational IoT Competency: What You Need To Know." *Forbes*. April 21, 2017.

Benson, Mark. "The Voice of Machine Learning Starts and Ends With Humans." *Embedded Computing Design*. March 03, 2017.

Benson, Mark. "How the Internet of Things is Changing Corporate Innovation." *IoT Agenda*. February 09, 2017.

Benson, Mark. "Five Avoidable Complications Of Corporate IoT Innovation Programs." *Forbes*. December 21, 2016.

Benson, Mark. "Best Practices in Predictive Maintenance for Connected Industrial Equipment." *Industrial Equipment News*. October 10, 2016.

Benson, Mark. "5 Best Practices For Winning the IoT Security Arms Race." *Dark Reading*. September 27, 2016.

Benson, Mark. "IoT Organizational Readiness for Multiunit Industrial Enterprises." *IoT Innovator*. August 31, 2016.

Benson, Mark. "Don't Design from Scratch When You Can Do an In-field Retrofit." *Embedded Computing Design*. June 11, 2016.

Benson, Mark. "IoT for Durable Goods Manufacturing: An Exercise in Business Transformation." *IoT Now*. April 11, 2016.

Benson, Mark. "Eleven Myths About Data Analytics for IoT Device Fleets." *Electronic Design*. April 06, 2016.

Benson, Mark. "What Makes IoT Security So Hard?." *Security Ledger*. April 05, 2016.

Benson, Mark. "The Art of Software Thermal Management for Embedded Systems." *Springer Verlag*. January 31, 2014.

Benson, Mark. "Software Thermal Management with TI OMAP Processors." *Electronic Engineering Journal*. August 02, 2012.

Benson, Mark. "Developing Embedded Hybrid Code Using OpenCL." *Real Time Computing Magazine*. July 20, 2012.

Benson, Mark. "The Influence of Mass-Market Design Patterns from Adjacent Industries on the Development of Niche Diagnostic Devices." *Medical Design Technology Magazine*. June 05, 2012.

Benson, Mark. "Intelligent Data Management for Wireless Medical Devices." *Medical Device and Diagnostic Industry Guide to Outsourcing*. February 08, 2012.

Benson, Mark. "Domain-Driven Device Cloud Design with Monte Carlo Methods." *Embedded Systems Design*. August 31, 2011.

Benson, Mark. "Wireless in Telehealth: Critical Considerations for Technology Adoption." *Embedded Computing Design*. August 10, 2011.

Benson, Mark. "Minimizing Technology Drift in Vertically-Integrated Medical Device Companies via Strategic Outsourcing." *Medical Device Technology Magazine*. July 07, 2011.

INTERVIEWS

Benson, Mark. "This New Line of Smart Lights Will Elevate Your Kitchen." *Men's Journal*. July 18, 2024.

Benson, Mark. "GE Lighting and SmartThings Collaboration Enhances Kitchen Lighting Experience." *Slice of Real Estate*. July 12, 2024.

Benson, Mark. "SmartThings boss still hoping for a Matter utopia." *The Ambient*. June 13, 2024.

Benson, Mark. "Smart home solutions for outdoors season." *Realtor Magazine*. June 04, 2024.

Benson, Mark. "What to know about smart home tech." *Zillow*. August 25, 2023.

Benson, Mark. "Where SmartThings fits into the new Matter smart home standard." *Tech Hive*. November 21, 2022.

Benson, Mark. "Samsung wants to control your Matter smart home with SmartThings." *The Ambient*. October 19, 2022.

Benson, Mark. "Smart Kitchens Might Not Turn You Into 'The Bear,' But They Can Heat up Your Cooking Skills." *Mansion Global*. August 14, 2022.

Benson, Mark. "How Samsung's SmartThings is thinking about Matter and the future of the smart home." *The Verge*. May 05, 2022.

Benson, Mark. "Bethel Alumnus Leading in Fast-Changing Smart Home Market." *Bethel University*. April 20, 2022.

Benson, Mark. "Smart technology is amping up home entertainment." *Axios*. March 23, 2022.

Benson, Mark. "SmartThings will kill legacy features to make a smarter home." *Stacey on IoT*. June 25, 2020.

Benson, Mark. "Podcast: Apple embraces IoT and SmartThings shakes things up." *Stacey on IoT*. June 25, 2020.

Benson, Mark. "Why Samsung's SmartThings arm is pivoting entirely into software." *Business Insider*. June 24, 2020.

Benson, Mark. "The Samsung Galaxy Home is still MIA. Will it ever be released?." *Digital Trends*. May 20, 2020.

Benson, Mark. "5 Reasons IoT Security Is Becoming A Priority." *Cyber Security Hub*. July 23, 2018.

Benson, Mark. "IoT Devices At Forefront Of Cyber Security Efforts." *Cyber Security Hub*. April 25, 2018.

Benson, Mark. "Nine Things That Are Poised To Impact Cybersecurity." *Forbes*. April 19, 2018.

Benson, Mark. "Applying Smart Building Technology in Multi-Tenant Properties." *TechTarget IoT Agenda*. March 10, 2018.

Benson, Mark. "How To Tackle Big Challenges Associated With Cloud Migration." *Forbes*. March 02, 2018.

Benson, Mark. "14 Ways AI Will Benefit Or Harm Society." *Forbes*. March 01, 2018.

Benson, Mark. "Smart Burgers: Smart Buildings Grow With Opportunity." *Electrical Contractor Magazine*. February 26, 2018.

Benson, Mark. "Augmented Reality: AR Technology Finds It's Place in Manufacturing And Maintenance." *Distributed Energy Magazine*. November 29, 2017.

Benson, Mark. "Trends and innovations in Industrial IoT." *The Manufacturer*. November 17, 2017.

Benson, Mark. "8 Mistakes that Derail IoT Projects." *Datafloq*. October 09, 2017.

Benson, Mark. "IoT for Smart Buildings." *Modern Tek News, KZSU Stanford 90.1 FM*. June 26, 2017.

Benson, Mark. "Weakening Net Neutrality: What It Will Mean." *Forbes*. April 25, 2017.

Benson, Mark. "Empowering the Internet of Things Generation." *Middle Market Executive*. April 24, 2017.

Benson, Mark. "My Toaster Hacked The Pentagon: What You Can Do To Secure Your IoT Devices." *Forbes*. March 03, 2017.

Benson, Mark. "How To Shore Up Your Defenses Against DDoS Attacks." *Forbes*. February 07, 2017.

Benson, Mark. "Machine Learning And Analytics: What's Your First Step?." *Forbes*. February 02, 2017.

Benson, Mark. "8 Tips for Building a Cost-Effective IoT Sensor Network." *Computer World*. January 11, 2017.

Benson, Mark. "Murano Positions Exosite Squarely in the IoT Platform Market Melee." *TechTarget IoT Agenda*. October 26, 2016.

Benson, Mark. "IT, OT, and Vying for Control of the IoT Connectivity Platform." *Embedded Computing Design*. October 21, 2016.

Benson, Mark. "Help Wanted: IoT Expertise." *The Economist*. May 03, 2016.

Benson, Mark. "Wearables Go To Work." *CIO Magazine*. April 27, 2016.

Benson, Mark. "IoT Evolution Interview with Exosite." *TMCnet*. February 08, 2016.

Benson, Mark. "Why MSP is the once, current and future Internet of Things (IoT) alley." *The Line Magazine*. April 17, 2015.

Benson, Mark. "Small-Form-Factor Embedded Computing Shrinks Processing for Unmanned Vehicles and Other Tiny Applications." *Military & Aerospace Electronics Magazine*. July 31, 2012.

Benson, Mark. "Make Money with Android 4.0." *Linux User & Developer Magazine*. December 22, 2011.

PATENTS

Benson, Mark. "Modularized communication device." *Publisher*. December 17, 2015.

Benson, Mark. "Gateway-Facilitated Communications for Resource-Constrained Devices." *Publisher*. December 10, 2015.

Benson, Mark. "Configuring network access parameters." *Publisher*. September 10, 2015.

Benson, Mark. "Facilitating communication between smart object and application provider." *Publisher*. September 10, 2015.

Benson, Mark. "Method for embedding device-specific data to enable provisioning a device with a mobile device." *Publisher*. August 15, 2013.

Benson, Mark. "Methods for embedding device-specific data to enable remote access to real time device data." *Publisher*. January 11, 2013.

Benson, Mark. "Methods for embedding device-specific data to enable remote identification and provisioning of specific devices." *Publisher*. January 11, 2013.

Benson, Mark. "Systems, devices and methods for provisioning, pairing and activating a newly manufactured device for automatic joining of customer's network." *Publisher*. November 27, 2012.