

SHAWN WHEELER

8558 W Pershing • Peoria, AZ 85381 • (602) 466-8855 • swheeler@3wheeler.com

CHIEF TECHNOLOGY OFFICER

AREAS OF EMPHASIS – Specialized in Visual and Audible Communication Systems for the K-12 Education Sector

Dynamic technology executive with 30+ years of expertise from school district technology development to the deployment of IP audio, video, bell, intercom, and security solutions. Proven track record of strategizing, researching, and executing innovative solutions while leading talented tech teams. Seeking a challenging role to leverage expertise in design, implementation, and management of software/hardware solutions.

Areas of Expertise

Leadership & Strategic Planning | IP Audio/Video Communications | MASS Notification Systems | Research & Vendor Relations (On/Offshore) | Integrated Communication Systems

EXPERIENCE

Galaxy Next Generation “G2”, Toccoa GA

November 2019 – Present

Technology Education Company with offices in Arizona, Colorado, Georgia, and Florida offering K-12 Education technologies related to Classroom Multimedia, Bell, Paging & Intercom and OEM related equipment.

Chief Technology Officer

Pioneering Technology Education Enterprise

- Geographically expansive with strategic footprints in Arizona, Colorado, Georgia, and Florida.
- Premium provider of K-12 cutting-edge educational technology solutions encompassing:
 - Advanced Classroom Multimedia Systems
 - Comprehensive Bell, Paging, & Intercom Solutions
 - Specialized OEM Equipment Innovations

Chief Technology Strategist

- Architect and champion:
 - Future-forward technological blueprints across the organization.
 - Collaborative synergies with global software and engineering brigades.
 - The groundbreaking evolution of the "G2 Communicator".
- Steward comprehensive digital ecosystems:
 - Streamline Microsoft 365 platforms.
 - Orchestrate AWS Cloud infrastructure.

Strategic Advancement Through Microsoft 365 Migration

- Seamlessly transitioned to Microsoft 365, orchestrating a monumental paradigm shift:
 - Forged a unified data management nexus catering to a sprawling workforce across 7 states.
 - Executed a flawless migration of existing email frameworks - inclusive of vast reservoirs of email data, and invaluable user databases.
 - Deployed MS Teams as the nerve center for both data collaboration and holistic communication.
 - This visionary endeavor culminated in an annual financial windfall, slashing operational costs by thousands. The consolidated communication platform, embracing both visual and text mediums, became the communication linchpin for the entire organization.

Pivotal Breakthroughs and Milestones

- Spearheaded the metamorphosis of the "G2 Communicator" (previously Phoenix Bell and Intercom):
 - Cloud-anchored Communicator fortified by AWS.
 - District-wide Unified Communication Suite: paging, intercom, alerts, bell, announcements, and alerts.
 - Seamless integration of Intercom Console with Video Doorbell functionality and door access control.
 - Multi-platform Visual Alerts – spanning PC, MAC, Android, and IOS ecosystems.
 - Hybrid Communication Systems: Visual, Audible, and Text-centric broadcasts and alerts.
 - "aChat": Encrypted, event-driven, real-time text communication framework.

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- Synthesized the "G2 LINK" and the "G2 IP Speaker, Clock, and Camera" into the Communicator matrix.
- Introduced "G2 Aviator" - A pioneering IOS application empowering verified users with:
 - On-demand announcements, alerts, intercom interactions, and zonal paging on the Communicator.
 - Live participation in "aChat" during critical alerts.
- Innovated the "G2 IP Speaker, Clock, and Camera" suite:
 - Multifunctional IP speaker fortified with SIP and multicast integrations.
 - Built-in controlled flasher, microphone array, and adaptable clock display.
 - State-of-the-art camera with seamless integration into school VMS systems and real-time viewing capabilities.
- Conceptualized and operationalized the assembly nucleus for "G2 LINK":
 - Commandeer end-to-end production dynamics, encompassing supply chain logistics, inventory management, and QA protocols.
 - Steer a dedicated production brigade towards operational excellence.

Other:

- Co-Inventor
 - United States Patent 2020/0235824 - Device pairing using sound waves.
 - United States Patent 2020/0236724 - Assistive listening system that uses sound waves for device pairing.
 - United States Patent 2020/0235825 - Panic alerts using ultrasonic sound waves.
 - United States Patent 2020/0396540 - Audio/visual device with central control, assistive listening, or a screen.

Ehlert Solutions Group & Interlock Concepts, Sandy UT

April 2014 – 2019

Trailblazing Ventures in EdTech Innovations

- Ehlert Solutions Group - A paradigm-shifting educational design and consultancy powerhouse, complemented by a robust installation prowess.
- Interlock Concepts - A manufacturing and sales juggernaut, committed to pioneering transformative products tailored for the K-12 educational landscape, specializing in audio, video, bells, public address, and state-of-the-art surveillance solutions.

Director of Holistic Learning Integration (Ehlert Solutions Group)

- Curated and expanded the business landscape for the revolutionary Phoenix Bell and Paging application.
- Spearheaded dynamic sales avenues, nurturing enduring customer alliances, with a portfolio spanning:
 - Bell, Paging & Intercom innovations.
 - Seamless integration and promotion of SAFARI Montage solutions.
 - Audio Enhancement's cutting-edge offerings and their smooth integration.
 - IP-centric video surveillance architectures.
- Orchestrated both on-site and digital training modules for avant-garde installations.
- Conceived, designed, and refined every system under the Ehlert Solutions Group banner.
- Crafted compelling bid response narratives, ensuring competitive positioning.
- Authored comprehensive responses to RFPs, RFIs, and Submittals, underpinning business outreach.
- Envisioned and produced exhaustive System Owners' Manuals for clients.
- Oversaw the entire IT ecosystem, spanning:
 - The centralized SharePoint infrastructure.
 - Office 365 management.
 - Digital footprints including websites.
 - Network infrastructure including routers, switches, computing devices, and peripheral technologies.

Chief Innovations Evangelist (Interlock Concepts)

- Championed the architectural blueprint and ensuing development of the Phoenix Bell & Intercom, rebranded as the G2 Communicator.
- Transformed user experiences by reconceptualizing the user interface of HUB Bells, which later evolved into Phoenix Bell & Intercom.
- Spearheaded the groundbreaking integration of a PBX into HUB Bells.
- Instrumental in the ideation and launch of three game-changing OEM products, catapulting Audio Enhancement into the forefront of the bell and intercom industry.
- Ensured product excellence through meticulous QA testing protocols for all Interlock Concepts innovations.

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Audio Enhancement, Bluffdale, UT

January 2012 – March 2014

A manufacturer of classroom amplification systems with offices throughout the United States and annual sales revenue of \$20 Million.

Director of Innovative Technologies

- Spearheaded business development and strategically orchestrated the overarching vision for the SAFARI Montage/VIEWpath educational software suite.
- Fostered a collaborative synergy with the SAFARI Montage development brigade, driving pivotal enhancements in the VIEWpath product for seamless integration into the Audio Enhancement arena.
- Pioneered an efficient methodology for mass configuration of IP audio and video touchpoints, unlocking a lucrative revenue channel for the enterprise.
- Strategized competitive pricing frameworks, directly engaged, and won over clientele, and empowered the sales force through in-depth product orientation sessions, underlining its unique value propositions.
- Championed post-sales engagement, ensuring impeccable implementation, and offering bespoke training modules to clients for optimal utility.

Tolleson Elementary School District, Tolleson, AZ

2009 – 2011

A school district with 6 sites, 4 schools, 3000 students, and 250 staff members.

Executive Director of Technology

- Provided strategic leadership and direction for all technology used in the district for classroom and business operations.
- Created, tracked, and monitored a \$750,000 technology budget.
- Specified technology needs and worked with vendors to obtain the best pricing while keeping the district within legal purchasing requirements.
- Managed and oversaw the implementation and installation of new and upgraded software systems and technologies.
- Managed and supervised 3 employees and 3 consultants: hired and trained staff on new technologies.
- Managed the installation of new technologies, including New Active Directory Domain, Exchange 2010, SharePoint 2010, Lync 2010, Data Protection Manager, SQL 2008, System Center and Configuration Manager, Hyper V deployment, Windows 7, and Office 2010 upgrades.

SAFARI Montage, Phoenix, AZ

2009 – 2009

SAFARI Montage provides K-12 school districts with a comprehensive solution for their digital media distribution and visual instruction needs.

Director of Systems Solutions – Western Region

- Architected visionary pre-sales technical designs and configurations, anchoring potential clients with precision solutions.
- Captured the entire lifecycle from installation, agile implementation, to comprehensive training modules.
- Delivered bespoke administrative and end-user empowerment sessions, elevating proficiency, and productivity.
- Spearheaded collaborations with software maestros, transforming customer feedback into actionable enhancements for software iterations.

Peoria Unified School District, Peoria, AZ

1993 – 2009

An academic citadel spread across 40+ establishments, nurturing 30,000+ future leaders and powered by a 3,000+ strong professional brigade.

Director of Information Technology – Technology and Training (2004 – 2009)

- Orchestrated the district's tech-training paradigm, guiding an elite brigade of trainers and two distinguished Media Specialists.
- Championed the district's foray into avant-garde classroom tech solutions and streamlined business operations.

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- Curated cutting-edge software and equipment portfolios, managed holistic site designs, hardware paradigms, and stewarded the digital presence across all public interfaces.
- Assessed, curated, and endorsed the district's EdTech toolkit, ensuring relevance and efficacy.

Key Accomplishments

- Innovated a transformative strategy, migrating the district website onto a Microsoft SharePoint Portal Server.
- Devised and executed a comprehensive upskilling initiative, acquainting employees, and scholars with the nuances of Microsoft SharePoint Portal Server Services.
- Steered the deployment of trailblazing tech endeavors like mobile wireless hubs and on-the-go projector modules.
- Co-authored the district's pioneering Technology Policy, defining digital guidelines for stakeholders.
- Pioneered the district's maiden Learning Management System's launch and transition from Blackboard LMS to the more dynamic Moodle LMS.
- Revolutionized the district's communication channels by introducing podcasting and videocasting. Instrumental in positioning the district as a frontrunner, broadcasting and recording all school board deliberations live.
- Bestowed with the prestigious Technology Coordinator of the Year Award by the Arizona Technology in Education Alliance.

Technology Training Specialist	1997 – 2004
Technology Life Careers Teacher	1993 – 1997
Northern Arizona University, Flagstaff, AZ – Faculty	2001 – 2009
Ottawa University, Phoenix, AZ – Faculty	2001 – 2003

EDUCATION & CERTIFICATIONS

- Northern Arizona University, Flagstaff, AZ, Master's Degree in Vocational Education
- Northern Arizona University, Flagstaff, AZ, Bachelor of Science Degree in Technology Education
- Arizona Teaching Certificate
- SAFARI Montage Certified Designer, Installer and Trainer