

## Mark Ripley – Resume

LinkedIn: [Mark Ripley Profile](#)

Website: [Mark Ripley Site](#)

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### OBJECTIVE

Detail-oriented and results-driven Software Development Manager with over 24 years of experience in the A/V industry, seeking to leverage expertise in guiding development teams, implementing modern methodologies, and ensuring high-quality solutions to drive organizational success.

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### PROFESSIONAL EXPERIENCE

#### Software Development Manager

*VISTACOM, INC*

March 2013 – Present

- Lead and manage a team of professional A/V Control System developers, ensuring successful project delivery and client satisfaction.
- Lead and managed a team of developers from outside the US for a medical grade application.
- Performed code reviews and mentorship of all developers.
- Mentored two teams of (4) developers in creating multiple software products to support the student's education through their Capstone projects.
- Define project scope, objectives, and deliverables, establishing project timelines and resource allocation strategies.
- Coordinate cross-functional teams, fostering collaboration between software developers, business analysts, and architects to drive project success.
- Implement and enforce best practices in software development lifecycle, including requirements gathering, design, development, testing, deployment, and maintenance.
- Drive continuous improvement initiatives, identifying areas for process optimization and efficiency gains.
- Ensure adherence to quality standards and regulatory requirements, conducting code reviews and quality assurance testing.
- Monitor project progress and performance metrics, providing regular status updates to stakeholders and executive leadership.
- Implemented SCM for the development team for proper version control tracking of all software development.

## **Control System Programmer III**

*VISTACOM, INC*

March 2002 – 2013

- Proficient in Crestron Simpl, Simpl+, AMX NetLinx, and Extron Global Script for AV control system programming.
- C#, Visual Basic Software development for advanced A/V projects.
- Extensive experience in designing, programming, and integrating complex AV control systems for various applications.
- Hold certifications such as Crestron Certified Programmer (CCP), AMX Certified Expert (ACE), Extron Control Professional (ECP), and InfoComm CTS.
- Demonstrated ability to lead AV control system development projects from conception to completion, ensuring alignment with client requirements and specifications.
- Collaborate effectively with cross-functional teams including project managers, engineers, and technicians to deliver high-quality AV solutions on time and within budget.
- Proven track record of troubleshooting and resolving technical issues related to AV control systems, ensuring optimal system performance and reliability.
- Develop comprehensive technical documentation including system design documents, programming guides, and user manuals to facilitate system maintenance and support.
- Stay abreast of industry trends and emerging technologies in AV control systems through continuous learning, workshops, seminars, and professional development activities.
- Actively contribute to the advancement of AV technology through participation in professional organizations, industry conferences, and knowledge-sharing forums.
- Demonstrated ability to architect and develop modular, reusable code components.
- Proficient in designing and implementing software solutions with an emphasis on code reusability to enhance maintainability and scalability.
- Experienced in leveraging design patterns and best practices to promote code reusability across projects and teams.

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## EDUCATION

- **Software Development Specialist**  
*Allentown Business School*  
2004 – 2006
- **Penn State University (World Campus)**  
*2020 - 2021*
- **High School Diploma**  
*Tully High School*  
1990 – 1993

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## SKILLS

- Proficient in Microsoft C#, Visual Basic & C, Crestron Simpl, Simpl+, AMX, JavaScript and many other languages and technologies.
- Strong understanding of SQL databases and database management systems
- Excellent leadership, communication, and team collaboration skills
- Comprehensive knowledge of A/V systems, integration, and software development best practices
- Proven track record in project management, including scope definition, resource planning, and risk management.
- Process creation and problem solving through automation.
- Experience in Agile and Scrum methodologies, driving iterative development and rapid delivery cycles.
- Proficient in implementing various Software Configuration Management methodologies.
- Experienced in utilizing advanced branching techniques for version control, such as feature branching, git-flow, and trunk-based development.
- Skilled in managing code repositories efficiently to facilitate collaboration and streamline software development processes.
- Proficient in leveraging Azure DevOps services for continuous integration (CI) and continuous deployment (CD) pipelines.
- Experienced in configuring and managing build pipelines, release pipelines, and deployment strategies using Azure DevOps.
- Skilled in version control management with Azure Repos, including Git repositories and branching strategies.
- Familiar with Azure Boards for agile project management, including backlog management, sprint planning, and issue tracking.
- Capable of implementing automated testing and monitoring solutions using Azure DevOps tools for improved software quality and reliability.

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## CERTIFICATIONS

- Infocomm CTS, Microsoft Certified Professional (MCP), Crestron Silver Master Developer, Extron Control Professional, AMX ACE Developer, Extron Authorized Developer, Lighting Design, DMX Knowledge, Audio/Video System Design, Radio Broadcast & Automation scripting knowledge

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## ACTIVITIES/ACHIEVEMENTS

- Achieved 1st Degree Black Belt in Okinawan Goju Ryu, demonstrating discipline, perseverance, and commitment to personal development.
- Licensed General Amateur Radio Operator (Call Sign: KC3RIP), adept in radio communication and emergency response protocols, contributing to community safety and service.
- Spearheaded the development of the [LVHN AICU System](#) as the lead developer, revolutionizing patient care and workflow efficiency in critical care units.
- Served as the Software Development Manager Lead for vConnect, driving innovation and excellence in software solutions to meet client needs and exceed expectations.
  - Scrum Master
  - Resource Coordinator
- Orchestrated and managed all A/V technical requisites for the [Women's 5k Classic](#) for over 15 years, showcasing the company's enduring commitment to community engagement and support.