

Peter A. Cardillo

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OBJECTIVE:

To continually be engaged in mankind's technological transformation through active participation in work, business and community.

TECHNICAL SKILLS:

- HTML, CSS, JavaScript, jQuery, React, MongoDB, Express, Angular.js, Node.js
- Experience in RESTful API's, CRUD operations & XML/JSON
- WordPress, CMS, SEO, Google Analytics, eCommerce Platforms (eBay, Amazon)
- WebRTC, Video Streaming & Digital Signage implementations of various platforms
- Control systems programming - AMX and Crestron
- MySQL/PHP, C, C++, Java programming
- MSFT.net Framework
- Linux GTK/Qt, Apache Server
- Excellent understanding of Client, Server – front & backend technologies
- Excellent understanding of Embedded Systems Platform hardware
- Excellent understanding of LAN/WAN architecture for video distribution

PROFESSIONAL EXPERIENCE:

Streaming Turtles
Fullstack Developer

Brooklyn, New York
Sep 2015 - Present

- Fullstack Web Systems Applications Developer at Streaming Turtles, a “grass roots” javascript centric startup company.
- Technical responsibilities include Web Application development for our clients websites and business applications.
- Specializing in Video Streaming, and WebRTC Integration for small business.
- Specializing in eCommerce development and support for our clients.
- Specializing in integration with 3rd Party Restful API's for our clients.
- Specializing in support and development for our clients backend server needs.

Peter A. Cardillo

Tritech

Sr. Programmer

New York

Nov 2009 - May 2015

- Responsible for programming A/V systems control projects.
- Headed up the companies integration of video streaming within our presentation and video conferencing systems control solutions.
- Supported engineering throughout the early adoption of AV/IT network integration for new IT centric system control solutions for A/V.
- Other responsibilities included guidance and mentoring for new Project managers in the software and technology requirements of a project.
- Assisted in the management, decision and authorization process for project bidding, RFP and Quoting process.

Olympus America

Sr. A/V Systems Integration Software Engineer

Center Valley, PA

May 2004 – Nov 2009

- Software Lead for the Medical System Software Product Development Group. Responsible for: Software Architecture Design, Product R&D, Product Testing and GUI Control Programming for Olympus America Integrated Operating Rooms.
- Participated in scheduled code-reviews and unit-testing during our development of the Olympus Configurable Operating Room System. Development Platforms included Crestron and MSFT.net Framework. Patent obtained.
- Integration of communication hardware included: Video conferencing and network streaming/archiving devices.
- Integration of medical and consumer A/V devices included: PACS (Picture Archiving Communication System) system, Vitals equipment, HIS (Hospital Information Systems), Surgical Lighting equipment, Olympus Medical devices, music systems, A/V matrix routing devices, video scalars and annotation devices.
- Responsible for generating necessary documentation relating to software specifications, managed our engineering design reviews, and reviewed validation-verification testing protocols.
- Acted in a mentoring capacity for our technical sales engineers during the RFP and Quote review process.
- Played a technical support role for field service engineers and in-house hospital biomedical engineers.
- Advisor to Olympus worldwide Integration Steering Committee for product development.

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Sony Electronics

Software Applications Engineer

Park Ridge, NJ

Feb 1999 - May 2004

- Involved in the product development and design of custom control products by Sony.
- Created Sony Certified Software Code Modules for AMX and Crestron control platforms, that supported the Sony CES dealer channel clients and its customer.
- Created custom software & hardware solutions for Sony's CES A/V product integration group, based on Linux/Apache architecture, using GTK/Qt interface libraries.
- Implemented Sony proprietary control protocols (including full 2-way RS232 communications protocols) for devices within proprietary and custom control systems, including (AMX, Crestron, Extron, Niles, Windows and Linux OS).
- Designed graphics for home theater GUI systems, adobe photoshop.
- Responsible for programming the control automation theaters on display for Sony trade-shows at: CEDIA, Sony Japan Open House Show, Infocom and CES.
- Played a key "Go-To" support liaison engineering role with several control device manufactures in efforts to gain insight for new trends and features of new product by Sony Electronics.

Baruch College (CUNY)

Adjunct Professor

New York, NY

Sep 1997 - Dec 1998

- Adjunct professor for CIS 3500 course in the Computer Information Systems Department.
- Curriculum covered, includes Communications and Network Theory.

St. Saviour Academy

Computer Teacher

Brooklyn, NY

Sep 1997 - June 1998

- Elementary Computer teacher for grades 4-8. Introduced basic computer knowledge and usage. Older grades learned MSFT office products.
- Responsible for maintaining school network and technology throughout the school.

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Bloomberg LP

Contractor & Staff Engineer

New York, NY

1993 - 1998

- Implemented disaster recovery mirroring of computers running Bloomberg On-Air Broadcasting and Radio operations, for the sequencing, graphics-rendering, encoder and player computers.
- Created and maintained a quality control data base (SQL) for monitoring broadcast radio failures. Ultimately discovering common points of failure leading to the reduction of automated broadcasting failures.
- Implemented and ran console operations for Abekas Solo, Avid, and SGI systems editing systems.
- Implemented and maintained programming for Chryon graphics character generators for broadcast operations.
- Updated daily Incriber titling scripting for the Bloomberg Television show.
- Scripted file server batch programming for the WBBR radio logs.
- Involved with Engineering “build-out” for Broadcasting Head-end, Audio workstations, Charlie Rose Studio, Novell & VLAN network configuration and Conference rooms located at Bloomberg Headquarters – 499 Park.
- Responsible for training new engineers for Bloomberg broadcasting operations.
- 1130AM WBBR radio quality control operations.
- Involved in PC configuration and testing of Digital video encoding for Bloomberg Network Video Distribution and Storage that eventually ran Bloomberg Broadcasting operations.
- Participated in Bloomberg Engineering Borland C++ programming course.

EDUCATION:

Capella University

Master of Science, Computer Science

Minneapolis, MN

as of June 2004 - present

- 26 credits completed, current GPA: 4.0
- MS in progress

New York Institute of Technology

Bachelor of Science, Physics

New York, NY

June 1995

Kingsborough Community College

Associate of Science, Chemistry

Brooklyn, NY

June 1992

Pace University

Bachelor of Arts, Human Relations Psychology

New York, NY

June 1989