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   **Brooklyn, New York**
Fullstack Developer   *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.

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Tritech   **New York**
Sr. Programmer   *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   **Center Valley, PA**
Sr. A/V Systems Integration Software Engineer   *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 biomed engineers.
- Advisor to Olympus worldwide Integration Steering Committee for product development.

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Sony Electronics   **Park Ridge, NJ**
Software Applications Engineer   *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)   **New York, NY**
Adjunct Professor   *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   **Brooklyn, NY**
Computer Teacher   *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   **New York, NY**
Contractor & Staff Engineer
                                                              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:

Columbia | Engineering   **New York, NY**
Full Stack Web Development Program   *in progress*

Capella University   **Minneapolis, MN**
Computer Science, MS Program   *June 2004*

- 26 credits completed, current GPA: 4.0

New York Institute of Technology   **New York, NY**
Bachelor of Science, Physics   *June 1995*

Kingsborough Community College   **Brooklyn, NY**
Associate of Science, Chemistry   *June 1992*

Pace University   **New York, NY**
Bachelor of Arts, Human Relations Psychology   *June 1989*