



John O'Keefe Jr.

20 Summerhill Road
Wallingford, CT 06492

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SUMMARY:

18+ years experience specializing in Electro-Mechanical Drafting/Design/Engineering/Project Management and 11+ years' experience owning and operating a Fine Art and Fine Art Framing business. Accomplished project manager, business manager and product developer. Skilled and experienced in organizing, communicating, process improvement, marketing, advertising, computer networking, software development and web design.

SKILLS and ABILITIES:

MECHANICAL ENGINEERING

- Pro/ENGINEER
- AutoCAD
- GMAX (by Discreet / Autodesk) and Blender
- Product Development: Plastics, Sheet Metal, Printed Circuit Boards, Tolerance Analysis
- Detailed Product Specifications (DPS)
- Design For Manufacturing (DFM)
- Failure Modes Effects Analysis (FMEA)
- Design Of Experiments (DOE)
- Design Verification Test Plans (DVTP)
- Six Sigma - Greenbelt / Mini-Tab
- Interconnecting Printed Circuits (IPC) specifications
- IEEE and UL standards for safety and performance
- TIA/EIA standards for mechanical reliability and intermateability
- MIL standards
- Restriction of the use of certain Hazardous Substances (RoHS)
- Manufacturer's design guides for plastics such as Valox, Polycarb and Cycloy

WEB DEVELOPMENT

- Website Design and Maintenance (Full-Stack Developer)
- Search Engine Optimization (SEO)
- Google Analytics
- Responsive design for mobile compatibility
- Cross-Browser testing for compatibility
- Wordpress implementation and customization
- Social Media, Social Networking: Addthis
- Email Marketing
- Schema.org
- HTML (4.1 strict, 5)
- CSS3
- XML, JSON
- MySQL
- phpMyAdmin
- PHP
- JavaScript, jQuery and AJAX
- Single Page Application (SPA)
- UPS, USPS, ODFL shipping API integration
- Custom shopping cart development
- SESSION management
- CGI, PERL, NAWK, AWK, UNIX, SSH, Bourne-Shell
- Robots.txt, .htaccess
- Visual Basic
- Panorama Factory (image editing)
- GIMP (image editing)
- Samplitude 24/96 (audio editing)
- Samplitude Pro X2 (audio editing)
- Notepad++
- Filezilla

BUSINESS MANAGEMENT

- Market Research
- Advertising
- Computer, Network and Phone System Administration
- Compliance with PCI-DSS
- Quickbooks Database Administration
- Inventory Management
- Forecasting
- Legal and Copyright Requirements
- Website Design and Maintenance
- Sales and Customer Service
- Accounts Receivable
- Accounts Payable
- Quality Assurance
- Supplier Qualification and Relations
- Domestic and International Shipping and Handling

OTHER

- Word
- Excel
- Project
- PowerPoint
- Visio



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WORK EXPERIENCE:

2012-Present

PAINTING FRAMES PLUS, Wallingford, CT
(website: <http://www.paintingframesplus.com>)

OWNER / MANAGER

Founded in 2012, Painting Frames Plus is an online supplier of ready-made and reproduction painting frames for people seeking high quality, affordable alternatives to expensive custom-made and vintage gold leaf frames.

In cooperation with frame wholesalers and frame-makers, Painting Frames Plus offers high quality, hand-crafted frames and mounting and hanging supplies. Frames are made using real wood with durable long-lasting polyurethane and compo ornamentation and come in a variety of hand-applied finishes giving each frame a unique hand-crafted appearance.

2007-Present

O'KEEFE ARTS, Wallingford, CT
(websites: <http://www.johnokeefe.net> and <http://www.okeefe-arts.com>)

OWNER / MANAGER / PROFESSIONAL ARTIST

Founded in 2007, O'Keefe Arts is a business specializing in landscape oil paintings created in a style similar to the famous Hudson River School and Victorian era artists. Items sold are completed original works of art, landscape painting commissions and a variety of high quality pigment print, e.g. Giclee, reproductions.

Accepted by jury selection into several national and international prestigious art leagues:

- Oil Painters of America
- The Salmagundi Club in New York City
- Landscape Painters International
- Lyme Art Association
- Cheshire Art League (Served on Board of Directors from 2009 until 2011)

(Art Resume: <http://www.johnokeefe.net/john-okeefe-jr-resume.php>)

2011-2016

ENGINE PARTS UNLIMITED, Wallingford, CT
(website: <http://www.epu.com>)

SHIPPING AND INVENTORY MANAGER

Engine Parts Unlimited, Inc. (EPU) is a certified Deutz diesel engine service and parts center. As such, EPU is a member of the worldwide network of Deutz partners. EPU's Deutz certified mechanics service Connecticut, Rhode Island, Massachusetts, Vermont, New Hampshire, Pennsylvania, New Jersey and New York. In addition to diesel engine services, EPU is an authorized dealer of new and XChange Remanufactured Deutz engines and parts.

Managed day to day operation of the shipping and inventory departments. In addition to daily responsibilities, identified areas where procedures and workflow required improvement. Initiated several process improvement projects that increased productivity and reduced mistakes and errors between departments.

Notable achievements:

- Developed and implemented a color-coded bin system with tracker sheets that allowed for easy identification of parts throughout the facility. The system greatly improved work flow and eliminated "lost" or "misplaced" parts.
- Upgraded the company network cabling to Category 6 and configured Gigabit switching/routing hardware that resulted in greater uptime and performance of the connected network devices.
- Designed and maintained the company website, including all Front-End programming, content creation, photography and graphic design elements.
- Designed and developed customized, and professionally packaged, tool rental kits and instruction documentation for Deutz diesel engine "do-it-yourself" projects. These kits proved to be popular with customers.
- Interpreted complicated "Tier 4" Deutz diesel engine wiring harness diagrams and system schematics in team environment with EPU mechanics. Remotely solved technical issues for



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mechanics that were on site, thus ensuring the completion of jobs in a timely manner.

- Created and implemented a document control system for all company policies, forms, procedures and official documents. Eliminated differing copies of documents that were in existence and that were causing confusion amongst employees and customers.

1999-2007

THE SIEMON COMPANY, Watertown, CT

MECHANICAL PRODUCT CAD DESIGNER

The Siemon Company, Inc. is a manufacturer, producer, and developer of structured cabling systems and related management equipment used in the telecommunication and computer networking industries. The products are made from fire resistant thermoplastics, metal alloys, sheet metal and printed circuit board components. Products sold to a variety of markets that include facilities used for Education, Medical, Industrial, Automotive, Municipal, and the Military.

Engineered new products from inception - to conception - to the completion of the product using CAD software - Pro/ENGINEER (Wildfire 2.0) and AutoCAD (2001).

Notable achievements:

- For almost two years worked as the primary mechanical designer/engineer on a "specials" team created to design and build a variety of customized products for strategic customers. The "specials" team was a small self-directed group with a product manager and one representative from each of the engineering fields (Mechanical, Electrical, Quality, and Manufacturing). Using Pro/ENGINEER CAD software in a speedy and efficient manner was critical in successfully completing these fast-paced "specials" projects.
- Initiated and directed a program to audit, standardize, restructure, and fully document the Printed Circuit Board Design Process, including a self-authored 46 page PCB Design Specification. The standardization and automation improvements more than doubled component insertion and wave flow department capacities. The new common reference database improved communication between R&D engineering, PCB design, PCB suppliers and production, resulting in product designs that are manufacturing friendly.
- Designed and engineered the Category 5e Industrial Bulkhead Connector.
- Developed and engineered the Fiber Optic Trunk Cable Assemblies.

1993-1998

GENERAL DATACOMM, Middlebury, CT

ELECTRO-MECHANICAL CAD DESIGNER

General Datacomm, Inc. is a manufacturer, producer, and developer of high-speed network access equipment such as Modems, Multiplexers, Routers and Switches. The products are made from fire resistant thermoplastics, sheet metal components, and sophisticated multi-layer printed circuit boards. Products sold to internet carriers and service providers, governments, and commercial end-users worldwide.

Created mechanical designs of complex multi-layer Printed Circuit Boards and documentation. Applied knowledge of IPC specifications into all PCB designs and drawings. Engineering CAD packages included validation and approval of the dimensional integrity of CAD shape files used in PCB design software, checking of electrical schematics against Gerber files exported from PCB design software, development of 3D solid models of finished PCB's for mechanical study, tolerance analysis, and final assembly documentation. Worked closely with mechanical engineering and manufacturing groups to ensure a smooth transition of new products into production.

Notable achievements:

- Developed and implemented a custom built AutoLisp software application for AutoCAD that automated the PCB documentation and validation processes for the electrical schematic, PCB design, and PCB drafting departments. Lead times for final documentation and validation decreased from 4 to 5 days, to less than 1 day, with a near 0% error rate. Many of the PCB's had more than 1000 individual components per assembly, and the custom built software application became the new standard for all PCB documentation.



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1989-1992

INTEGRATED INDUSTRIAL SYSTEMS, Wallingford, CT ELECTRO-MECHANICAL DRAFTER

Integrated Industrial Systems, Inc. designs, manufactures, revamps, installs, commissions and services cold rolling mills and electronic control systems (2 Hi, 4 Hi, 20 Hi and Tandems). Products sold to the ferrous and nonferrous metals industry around the world.

Created and maintained electrical schematic drawings, cable wiring diagrams, assembly drawings of PCB's and PCB rack enclosures, control desks, electrical cabinets, and component detailing. Drafting skills include sectional, exploded, partial, and cutaway view detailing. Used artistic skills to create high detail pictorial (isometric) drawings for use in product manuals and sales brochures. Engineering documentation produced with manual drafting techniques and CAD software.

Notable achievements:

- One notable drafting achievement involved the reverse-engineering of the complete electrical wiring system for a large boring mill that did not come with any electrical documentation. Developed a comprehensive service and maintenance document of the electrical wiring and control systems. This documentation continues to be in use to date.

PERSONAL INTERESTS:

Completed several recording and mastering projects for local bands in personal home recording studio. Multi-track digital recording software Samplitude 24/96 and Samplitude Pro-X2 (64bit). (website: <http://www.okeefe-arts.com/john-okeefe-jr-1990s-music-studio.php>)

Development of a sophisticated add-on aircraft for Microsoft Flight Simulator X. The project includes a fully functional 2D and 3D cockpit for a Douglas Corporation DC-9-41. 3D models created using the 3D modeling and animation software package GMAX by Discreet/Autodesk. Cockpit instrument and gauge graphics/images and programmed using Microsoft's custom XML framework for Flight Simulator X.

(Website: <http://www.okeefe-arts.com/john-okeefe-jr-2000s-flight-simulator.php>)

EDUCATION:

1990-2007

ADDITIONAL COURSES (VARIOUS COLLEGES and LEARNING INSTITUTIONS)

- Project Management Fundamentals
- Six-Sigma - Greenbelt / Mini-tab
- Fiber Optic Fundamentals - Light Brigade
- Ergonomic Designing
- Pro/ENGINEER Part - Parametric Technology Corporation
- Pro/ENGINEER Assembly - Parametric Technology Corporation
- Pro/ENGINEER Sheet Metal - Parametric Technology Corporation
- Pro/ENGINEER Wildfire 2.0 - Parametric Technology Corporation
- Pro/INTRALINK Administration - Parametric Technology Corporation
- Geometric Dimensioning and Tolerancing (GD&T) ASME Y14.5M-1994
- Oracle (Manufacturing Resource Planning - M.R.P.)
- Basic Unix
- Computer Networking Infrastructures - Naugatuck Valley Community College
- Introduction to AutoLisp (AutoCAD language) - New England Institute of Technology
- Pascal Programming Language - Southern CT State University

1989

MERIDEN PUBLIC SCHOOL SYSTEM, Meriden, CT.

- Awarded High School Diploma.

Linkedin Profile: <https://www.linkedin.com/in/john-o-keefe-jr-558a725>