

Patrick "PJ" Losey

Electronics Engineer / Computers / IT / Manager

Monmouth, IL 61462

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Professional Summary

Skilled and experienced electronics engineer / Manager with a proven track record in a variety of industries. Proven ability to manage and lead teams, as well as work independently. Expertise in a wide range of electronics engineering disciplines, including design, development, testing, and maintenance. Strong problem-solving and analytical skills. Strong Software and IT Skills. Committed to providing high-quality work and customer satisfaction.

Currently employed as a Trackside Engineer for Honda in the IndyCar series, ensuring the performance and reliability of race cars during events. Extensive experience as a Proton Therapy Engineer at Siemens Healthineers, leading a team of electricians and working directly with doctors and staff.

Proven ability to handle data, race strategy, and IT coordination in various roles within the racing industry. Strong background in automotive engineering, network administration, and customer service.

Authorized to work in the US for any employer

Work Experience

IndyCar Trackside Engineer

Honda Racing Corporation-Remote

May 2024 to Present

As a Trackside Engineer for Honda in the IndyCar series, I play a crucial role in ensuring the performance and reliability of race cars during events. My responsibilities include:

- Collaborating with drivers, mechanics, and other team members to optimize car performance.
- Monitoring and analyzing data from the car's systems to identify and resolve issues.
- Making real-time adjustments to the car's setup based on track conditions and driver feedback.
- Conducting pre-race inspections and post-race evaluations to ensure compliance with technical regulations.
- Providing technical support and troubleshooting during race weekends.
- Working closely with Honda's engineering team to implement new technologies and improvements.

This role requires strong problem-solving skills, attention to detail, and the ability to work under pressure in a fast-paced environment. My background in automotive engineering and experience with data analysis tools are essential.

Freelancer

Losey.Co-Monmouth, IL

January 2002 to Present

Self Employed experience including website design, front and backend, computer building/repair, fly-ins for professional race teams, consulting and more.

Proton Therapy Engineer

Siemens Healthineers-Peoria, IL

March 2022 to May 2024

As a Proton Therapy Engineer, I worked with the Varian ProBeam360 system. I was the first to operate the cyclotron for the inaugural patient at OSF Cancer Center. My responsibilities included:

- Leading a team of 10 electricians in the installation of 38 electrical cabinets.
- Successfully completing all required certifications for ETL.
- Installing software, setting up switches, routers, and servers.
- Managing daily reports and QA documents.
- Serving as the Safety Manager and overseeing calibrated tools.
- Running the machine during treatments and performing preventive maintenance.
- Providing IT support and ensuring the smooth operation of the system.
- Acting as one of the main engineers on site, working directly with doctors and staff to run and maintain the Varian ProBeam360.

Advanced Systems Engineer

GETZ FIRE EQUIPMENT-Peoria, IL

April 2021 to April 2022

As an Advanced Systems Engineer, I was responsible for installing, programming, and setting up fire panel and alarm systems for various companies in the area. My responsibilities included:

- Installing and programming fire panel and alarm systems.
- Setting up systems for a range of clients, from local daycares to large corporate headquarters like State Farm.

Car Chief

Rearden Racing

February 2020 to April 2021

Lead Mechanic / Car Chief for #1910GT3 Lamborghini in SRO World Challenge

Data Engineer / Race Strategist

Cameron Racing-Sonoma, CA

January 2017 to March 2020

As a Data Engineer and Race Strategist at Cameron Racing, I was responsible for handling data from each race session and developing race strategies. My responsibilities included:

- Analyzing data from race sessions to optimize performance.
- Developing and implementing race strategies in collaboration with the team owner, drivers, and mechanics.
- Troubleshooting wiring and technical issues.
- Serving as the IT Coordinator, ensuring the smooth operation of computers, networking, printers, and other technical equipment.
- Managing live timing and scoring, as well as live data and telemetry from the cars to the computers on the timing stand.

Team Manager / Electronics Engineer

Davidson Racing-Sparks, NV

June 2012 to January 2019

As a Team Manager and Electronics Engineer at Davidson Racing, I was responsible for a wide range of tasks to ensure the success of the team. My responsibilities included:

- Managing logistics, race strategy, and team operations.
- Coordinating flights, hotels, and other travel arrangements for the team.
- Building and maintaining race cars and multi-million dollar collection cars.
- Designing and building wiring harnesses, programming computers, ECUs, and PDMs.

- Serving as the IT Coordinator, ensuring the smooth operation of computers, networking, and other technical equipment.
- Working closely with the team owner, drivers, and mechanics to optimize performance and achieve team goals.

Data Engineer / Fueler

RPMotorsport-Berwick, IL

March 2010 to June 2012

Fueling Tires and Data for a professional World Challenge and Grand-AM Racing Team.

Manager - Multiple Positions

Lakis Ford Dodge-Galesburg, IL

May 2005 to August 2011

At Lakis Ford Dodge, I held multiple managerial positions, progressing through various roles within the dealership. My responsibilities included:

- Managing a Ford Rental Car Company after working my way up through the dealership ranks.
- Starting from detailing, then moving to sales, internet sales manager, sales manager, finance manager, service manager, and finally rental manager.
- Serving as the IT Coordinator, ensuring the smooth operation of computers, networking, and other technical equipment.
- Overseeing daily operations, managing inventory, and coordinating with different departments to ensure customer satisfaction.

Best Buy Automotive Installer

Best Buy-Moline, IL

June 2002 to July 2004

I was a mobile installer doing everything from stereos to remote starts along with up selling as needed. Certified MECP

Shipping Manager

IMI MCR-Monmouth, IL

June 2001 to June 2002

Worked my way up from the assembly line to the Office as the Shipping Manager for 50-100 Pieces of equipment a day.

Manager

McDonald's-Monmouth, IL

March 1998 to June 2001

Went from basic crew to a Manager at McDonald's running my own shifts, setting schedules and doing inventory. Also did closing managing finances, labor hours, and much more.

Paper Boy

Register Mail-Monmouth, IL

January 1996 to March 1998

Delivered Papers 7 days week to the Business side of town.

Education

Electronics Engineering (Associate)

Hamilton Technical College-Davenport, IA

June 2002 to June 2004

Skills

- Live chat
- Zeus-C Fire System Programming (Less than 1 year)
- Office Management (10+ years)
- HTML5
- Installation (10+ years)
- Training & Development (5 years)
- LAN
- IT Experience (10+ years)
- Customer service
- Leadership Experience (10+ years)
- Training & development
- Communication skills
- Microsoft Excel
- Data center experience
- Management
- Electrical experience
- Fire alarm (Less than 1 year)
- MySQL
- Computer networking
- Sales Experience (6 years)
- PHP
- Travel Coordination (5 years)
- Web Design
- Automotive diagnostics
- Inventory Management (5 years)
- Network administration
- Technical support
- APIs
- Mechanical Knowledge
- Programmable Logic Controllers
- Time Management (8 years)
- Programmable logic controllers
- Automotive Electrical Systems (10+ years)
- Program management
- Dealership experience
- Sales

- Troubleshooting
- ETL
- Fire alarm (2 years)
- Business Management
- Cloud infrastructure
- DNS
- Microsoft Windows Server
- Web Development
- DHCP
- Database Development (10+ years)
- Maintenance (5 years)
- Camera Operator (10+ years)
- Automotive Engineering (10+ years)
- Negotiation
- Driving
- CSS
- Field service
- SSL
- TCP/IP
- Vehicle Maintenance
- VMWare
- Leadership
- Web design
- Software troubleshooting
- Web development
- Microsoft SQL Server
- Computer hardware
- Basic math
- Data Management (10+ years)
- Automotive Repair (10+ years)
- Telecommunications (3 years)
- Technical Support
- Operations management
- Schematics
- Detailing
- Service technician experience
- Network Administration (10+ years)
- PowerShell
- Photography (10+ years)
- Data Entry (10+ years)

- Customer Service (10+ years)
- Project management
- Windows
- Microsoft Office (10+ years)
- Database Administration (10+ years)
- Systems engineering
- Electrical Engineering
- Automotive repair
- Sales Experience (5 years)
- Telecommunication

Links

<https://facebook.com/pjlosey>

<https://pjlosey.com>

<http://resume.pjlosey.com>

Certifications and Licenses

PERC Card

OSHA 10

Business Management

Business Management Course focused on Automotive Finance.

Driver's License

June 2023 to July 2027

Class: DM