

Contact

Grayslake, Illinois
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Top Skills

Electronic Engineering
System Architecture
Project Management

Certifications

Siemens Cerberus PRO Modular
Voice - Installation, Operation and
Maintenance
Business Manager
FIS 2514 - Cerberus Pro Modular -
Installation, Operation, Maintenance

Patrick Losey

From Engines to Protons. Hardware to Software. I learn fast and build what's needed. Project Manager. Coder and Mechanic in one.
Greater Chicago Area

Summary

From Engines to Protons. Hardware to Software. I learn fast and build what's needed. Project Manager. Coder and Mechanic in one. I am looking for a Remote Senior/Mid-Level Engineering role where I can apply my skills to build impactful software mixed with my racing passion.

Experience

GridPass

Founder & Lead Full Stack Engineer
January 2023 - Present (3 years 9 months)
Remote

Architected and built a specialized SaaS platform for automotive asset management and racing logistics.

- * Production SaaS: Built a complete multi-tenant platform using Next.js 14, TypeScript, and Supabase.
- * Feature Delivery: Implemented real-time collaboration (WebSockets), offline PWA capabilities, and complex role-based access control (RBAC).
- * AI-Native Workflow: Utilized advanced AI coding assistants and LLM pipelines to accelerate development velocity by 300%, aiming to deliver a 'senior team' output as a solo founder.
- * Market Impact: Solved critical logistics problems for premier racing teams, replacing fragmented spreadsheet workflows with a unified database.

SAE Group

Shop Manager
March 2026 - Present (7 months)
McHenry, IL

Monarch Defender

Shop Manager
December 2025 - January 2026 (2 months)

Grayslake, Illinois, United States

Great Job unfortunately it ended due to business not having right insurance and operating license.

Honda Racing Corporation (HRC)

Trackside Engineer

May 2024 - December 2025 (1 year 8 months)

Managed real-time telemetry and engine management systems in high-stakes environments.

* Data Engineering: Managed streams from 100+ sensors for mission-critical strategy decisions.

* Rapid Debugging: Diagnosed software/hardware communication faults on the starting grid. This taught me to troubleshoot code under extreme pressure.

Siemens Healthineers

Engineer (FSE)

March 2022 - May 2024 (2 years 3 months)

Peoria, Illinois, United States

Led the technical integration of \$50M+ Proton Therapy Cyclotrons.

* System Integration: Managed the handshake between industrial machine controls (PLC) and hospital IT networks.

* Leadership: Directed cross-functional engineering teams during multi-year installation projects.

* Reliability: Debugged complex hardware/software interfaces where 'downtime' was not an option.

PJLosey.com

Self Employed / Freelance

June 2009 - May 2024 (15 years)

Roseville, IL

Electronics Engineer / Mechanic for Pro Road Racing Teams.

PC Building / PC Repair / Virus Removal / Troubleshooting

Webdesigns coding (html, php, css)

Dabble in Game Design (Unreal)

Getz Fire Equipment Co.

Advanced Systems Engineer

April 2021 - March 2022 (1 year)

Peoria, Illinois, United States

Fire Alarm Industry as an Advanced Systems Engineer, Programing and Installing new Fire Alarm Systems in large Corporation Environments.

STEPHEN CAMERON RACING, LLC

Electronics Engineer / Data

March 2017 - April 2020 (3 years 2 months)

Sonoma, CA

I handle Data from each race session, Race Strategy and wiring / trouble shooting. I work with the Team owner, Drivers, and Mechanics helping each area get the data they need to do their job better.

Davidson Racing

Team Manager / Electronics Engineer

May 2012 - January 2019 (6 years 9 months)

Sparks Nevada

Data. Electrical. Programing

RacewithRP.com

Crew

March 2011 - November 2011 (9 months)

Media Relations / Fuel Man / Co Designer of the Website RacewithRP.com

Lakis Ford Dodge

Internet Coordinator

August 2006 - May 2011 (4 years 10 months)

I currently run the Internet Department. I have also learned other positions to fill in where need for vacations, backup.

Was the Rental Vehicle Manager until Ford stopped the program. Then moved back to handling the Internet, Pc repair, and incoming lead management for the dealership.

Marmon Foodservice Technologies

Shipping and Receiving Specialist

May 2001 - June 2002 (1 year 2 months)

Monmouth, Illinois, United States

Assembly to Shipping Manager.

Education

Hamilton Technical College

Electronic Engineering, Electronics · (2002 - 2004)