

Jim Lowry

Versatile Technical Professional

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PROFESSIONAL SUMMARY

Versatile technical professional with 25+ years of experience bridging digital systems and practical implementation. Combines expertise in Power Platform development, project management, IT/OT security, and hands-on technical skills to deliver comprehensive solutions. Proven ability to manage complex stakeholder environments, implement enterprise-level security, and develop integrated technical systems.

CORE COMPETENCIES

- **Digital Systems & Power Platform:** Solution architecture, API development, data integration, workflow automation
- **Project Management:** Multi-million dollar projects, complex stakeholder coordination, budget forecasting
- **IT/OT Security:** Enterprise security implementation, network architecture, vulnerability management
- **Technical Implementation:** Electrical systems, network infrastructure, smart home automation

PROFESSIONAL EXPERIENCE

PMO System Developer

Company Name | St. Louis, MO | 2020 - Present

Led the development of a comprehensive PMO information system using the Power Platform ecosystem, integrating data from multiple disparate sources to create a unified project management environment.

Key Achievements:

- Created Dev, Test, and Prod environments with proper pipeline implementation
- Developed APIs to capture data from various systems (Oracle Primavera, SharePoint, Jira, Microsoft Project)

- Built a relational database in Dataverse to unify project data
- Implemented automated workflows and triggered events for project lifecycle management
- Designed Power BI dashboards for different stakeholders (PMO leadership, project managers, team members)
- Created transition dashboards with automatic data quality filtering
- Implemented project checklists and phase gate controls based on methodology and budget

Technologies: Power Platform, Power BI, Power Automate, Dataverse, APIs, SharePoint, Microsoft Project

Project Manager, OT Cybersecurity

Ameren Digital | St. Louis, MO | 2011 - 2020

Managed multi-million dollar OT Cybersecurity projects across diverse power generation sites, including Nuclear, Solar, Gas, Coal, and Hydro facilities.

Key Achievements:

- Deployed OT Cybersecurity infrastructure across all power generation sites
- Managed complex stakeholder environments with 30+ departments
- Implemented security technologies including Tenable, Netscout, Gigamon, CyberX, and Claroty
- Deployed Palo Alto firewalls and created secure network architectures
- Conducted comparative analysis of security platforms (Dragos, Nozomi, Claroty)
- Maintained precise budget forecasting within required +/- 5% tolerance
- Managed specialized utility financial processes using the AFUDC model
- Coordinated with multiple vendors and contractors across projects

Technologies: Tenable, Netscout, Gigamon, CyberX, Claroty, Palo Alto, Microsoft Project

Signalman, Conductor, Operator

CSX Transportation | St. Louis, MO | 1998 - 2011

Implemented railroad signal systems and crossing protection systems across multiple states, from Illinois through Maryland.

Key Achievements:

- Deployed electrocode signal systems replacing pole line signaling on main double track lines
- Installed and upgraded public crossing protection systems
- Led pole line removal projects across multiple states

- Transported, built, and operated freight trains in yards and on main lines
- Ensured compliance with safety and regulatory requirements

Mobile Electronics Installer (Self-Employed)

Self-Employed | 1996 - 1998

Ran my own mobile electronics installation business, specializing in installations for boats and at work sites that traditional retail locations couldn't accommodate.

Lead Installer

Best Buy | Toledo, OH | 1992 - 1996

Served as Lead Installer at the Toledo, Ohio store with expanded responsibilities, completing over 10,000 vehicle installations.

Key Achievements:

- Installed and configured mobile electronics systems in over 10,000 vehicles
- Earned MEC first class certification
- Built and maintained car stereo and alarm demos inside the store
- Traveled to Ohio and Michigan to help set up installation centers at new store locations
- Trained and mentored new lead installers during grand openings

TECHNICAL SKILLS

Power Platform: Power Apps, Power Automate, Power BI, Dataverse, API Development, Power Query

Data Analysis: Excel, Power Query, Data Transformation, Business Intelligence

Project Management: Microsoft Project, Stakeholder Management, Budget Forecasting, Risk Management

Security Technologies: Tenable, Netscout, Gigamon, CyberX, Claroty, Palo Alto Firewalls

Electrical & Electronics: Signal Systems, Residential Wiring, Power Backup Systems

Network Infrastructure: VPRNs, Ubiquiti Systems, Gigabit Internet with 4G LTE Failover

Smart Home Automation: Hubitat, SmartThings, Alexa, Google, Geofencing, Automated Workflows

AI Tools: Website Development, Content Creation, Process Automation

EDUCATION & TRAINING

U.S. Navy | Interior Communications Electrician Training

MEC First Class Certification | Mobile Electronics

ADDITIONAL INFORMATION

Personal Website: www.lowrys.org - Comprehensive portfolio of projects and professional background

AI-Assisted Development: Created AIrtisan.net as a demonstration of leveraging modern tools for efficient development

References available upon request