

David Berman

Winnipeg, MB

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Master Electrician | Automation & Controls | Software Developer

Licensed Master Electrician (Iceland) with 20+ years of experience in commercial, industrial, and municipal electrical systems. **Red Seal certification in progress.** Skilled in automation wiring, lighting systems, HVAC/R, PLC, HMI, SCADA, and software development.

- **Master Electrician – Certified Electrical Contractor (Iceland)**
 - PLC, BMS and other automation for industrial and commercial environments
 - LED displays, EV charging, IT infrastructure, Inspections
 - Residential, Commercial, Industrial, Utility & HV Electrical experience
- **Software Development**
 - [4G LTE Streetlight Control System](#) (Python, Flask, HTML, JS)
 - Embedded controller for Data Hall Cooling Fans VFDs (C, HTML, JS)
 - Hot Tub Control system for Hotel (C, HTML, JS)
 - Automated monitoring of night shift employees (Python, HTML, JS)
 - Infrastructure Management (Linux, VM, VPN)

Experience

- **City of Reykjavík – Electrician**
2022–2024
 - Installed and maintained automated streetlight control
 - Provided support for municipal IT peripherals and lighting infrastructure
- **Self-Employed Electrician – Reykjavík, IS**
2018–2024
 - Residential and commercial wiring, control panels, and lighting upgrades
 - Custom automation solutions and troubleshooting for HVAC systems
- **Verne Global Data Center – Project Manager / Electrician**
2011–2018
 - Industrial Automation implementation and commissioning
 - Technical Project Manager on 30 MW data center expansion
 - Installed switchgear, HVAC feeds, and ATS systems
 - Worked with BMS, UPS, and environmental monitoring integrations
- **Apprentice – Various Contractors (Canada & Iceland)**
2004–2011
 - PLC programming for food processing
 - HVAC control wiring
 - General electrical services for Residential and Commercial
 - Assisted in renovations, new builds, and service calls
 - Industrial Electrical work for Shell Refinery