

WALTER “Watts” SUMAJIT

Software / Electrical / Mechanical - IT Field Technician

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Summary

Over five years of expertise in structured cabling, network infrastructure, and low-voltage system installations across residential and commercial settings, including new construction, retrofits, and service calls. Proficient in Cat5e/Cat6/Cat6a termination, cable routing, labeling, and management, ensuring clean, TIA/EIA and NEC-compliant installations. Skilled in installing, configuring, and supporting CCTV (IP cameras), access control systems, intrusion alarms, wireless access points, VoIP, and audio-visual equipment to deliver reliable, high-performance solutions.

Extensive experience in rack build-outs, IDF/MDF closet organization, and equipment mounting, with strong capability in reading blueprints, schematics, and riser diagrams. Expertise in testing, certification, and troubleshooting using industry tools such as Fluke testers and tone generators guarantees optimal system performance. Recognized for effective preventive maintenance, system upgrades, adherence to safety standards (OSHA awareness), and coordination with project managers, contractors, and clients to ensure quality, timely, and scalable project delivery.

Electrical Experiences

1. **Maintain a “safety first” mindset “all the time.”** Prioritize human life safety, property, and information.
2. **Organizing tools, materials, and inventory of stocks.** Keep an updated recording, stay organized.
3. **Direct assistance to the Electrician and maintain high availability at the jobsites.** Provided immediate help.
4. **Trenching, Piping, Flood Lights Installations:** Building-to-building cabling & building-to-poles, Installed Flood Lights
5. **Re-wired Light Fixtures, Removed Ballast, changed to LEDs:** Installed LEDs tube lights with 6700kelvin
6. **Wiring and splicing:** AWG 12 for 20-Amp circuit, AWG 10 for 30-Amp circuit (240VAC), & 14 AWG for 15-Amp circuit.
7. **Grounding and Crimping to ground wire:** 2 lengths of 8-foot copper rods, burry 6-feet apart, 5/8 inch diameter
8. **Installing High-hot fixtures:** position brackets stable enough on the ceiling joists or provisioned braces.
9. **Installing devices and boxes:** following the instructed distancing, uniformity of positioning, & make it neat

Experiences At Post-Electrical Installations, integration with Smart Systems

Contract & Project-Based Roles | 2016 – Present

1. **Electronics.** Analog and Digital installation, configuration, and maintenance. AC to DC Power Supply.
2. **Network infrastructure.** Used of cybersecurity principles for **Open Systems Interconnection (OSI)** Level 1 to 7.
3. **Copper-to-Fiber Optic connectivity.** Applied fiber splicing to integrate with copper-based connectivity
4. **Building Automation.** Programming using Loxone Config Software to integrate with multi-brands of Smart Devices.
5. **Proper Labeling of Components and Database Build-up.** Manual journalizing and digital record keeping.

Low-Voltage Electrical Tasks & Control Systems Integrations

These involve new installations, remodeling & alterations, service calls, troubleshooting, repair, & maintenance

1. **Team player. Site Survey. Develop estimates. Compose proposals. Create a Project Plan. Implement.**
2. **Structured Cabling:** Cat 5e, 6, 6a, 7, & 8 ethernet cable and fiber optics cable for inside plant or data centers.
3. **Audio/Visual (AV) Systems:** Installing and mounting audio, visuals, home theater, and multi-room audio systems.
4. **Security & Surveillance:** Installing CCTVs, Network Video Recorders (NVR), and motion sensors.
5. **Access Control:** Installing biometric scanners
6. **Smart Home/Building Automation:** Installing smart thermostats, motorized shades/blinds, and control hubs
7. **Landscape Lighting:** Positioning low-voltage transformers and LED path/spot lighting
8. **Wireless Access Point (WAP) Optimization:** Adding hard-wired data drops to ceilings to eliminate "dead zones"
9. **Intercom-to-Video Upgrades:** Upgrading legacy intercoms to modern PoE video doorbells and touchscreens.
10. **Conduit Additions:** Installing surface-mount raceway where wall fishing is restricted
11. **System Integration:** Integrating lighting and pool controls into a single mobile app interface
12. **Battery Replacements:** Servicing uninterruptible power supply units and backup batteries
13. **Camera Cleaning & Re-focusing:** Maintaining outdoor surveillance lenses affected by salt air and spider webs.
14. **Firmware & Software Updates:** Maintaining latest security patches for network switches, routers, and controllers
15. **Re-terminating Connectors:** Fixing "bad" RJ45 or Keystone jacks that have oxidized or pulled loose.

Role as Network Technician; Philippines to Asia wide & to USA | 2000 – 2015

1. **Electrical Installation & Infrastructure.** Powering up server rooms, LAN/WAN Install, server cabinets build
2. **Digital Transformation & Automation.** Systems Integration, Pascal Coding for Program Logic Controllers

Education: Computer Electronics Engineering Technology (CEET)

1. **Concentration:** Computer hardware configuration, digital electronics, electrical systems, and telecommunications.
2. **Specialization:** Assembly Language Programming, Microchip Programming, Instrumentations and Measurements
3. **Foundation:** S.T.E.M. disciplines: Science, Technology, Engineering, and Mathematics.

Certifications & Training

1. **Certified Global Loxone Partner** (Smart Home & Building Systems Integration and Automation)
2. Professional Education in Digital Transformation (IoT, Cybersecurity, Cloud Engineering with Ai & Blockchain), MIT
3. Industrial Security & Safety Practices, By PSIS, Inc. 2010
4. Fiber Optic Splicing & Cabling Techniques; from various workshops & training and as a helper for data centers, Florida
5. Network Configuration & Rack Installation, from work experiences in TeleComm / TV Networks / Small Businesses