

# Giavanni Vigliotti

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Montgomery, AL | +1 305 240 7547 | giavanni6@gmail.com Authorized to work in the US for any employer

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## Professional Summary

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Results-driven Critical Facility Engineer with over eight years of hands-on expertise in the operations, maintenance, troubleshooting, and repair of mechanical, electrical, and control systems within mission-critical infrastructure. Currently serving as a Critical Facility Engineer at Meta's Montgomery Data Center campus, ensuring 100% uptime across a hyperscale data center campus. Rapidly completed Meta's rigorous Personnel Qualification Standard (PQS) and Campus Management & Control Center (CMCC) qualifications. Specialized in large-scale HVAC systems, chillers, high-voltage switching, substation operations, and Building Management Systems (BMS). Adept at executing procedure-based work (MOPs/SOPs/EOPs), interpreting blueprints, and managing vendor relationships. Seeking to leverage extensive critical environment experience to optimize facility operations and infrastructure reliability within a 2-hour radius of Montgomery, AL.

# Core Competencies & Technical Skills

Critical Environment Operations	Mechanical & HVAC Systems	Electrical & Controls
24x7 Uptime & Reliability	Chillers & Water Distribution	High-Voltage Switching & Substations
Root-Cause Analysis (RCA)	Computer Room Air Conditioning (CRAC)	Electrical Troubleshooting
Procedure-Based Work (MOP/SOP/EOP)	Variable Refrigerant Flow (VRF) & DX	Building Automation (BACnet, BMS)
Vendor & Subcontractor Management	Dedicated Outdoor Air Systems (DOAS)	Low-Voltage Diagnostics
QA/QC Oversight & Inspections	Variable Air Volume (VAV) Systems	Variable Frequency Drives (VFDs)
CMMS (Hexagon EAM) & Work Orders	Psychrometrics & Refrigeration Cycles	Fire & Life Safety Integrations

## Professional Experience

**Meta** | Montgomery, AL *Critical Facility Engineer, FacOps – South Region* | December 2025 – Present

- Operate and maintain critical mechanical, electrical, and control systems across a hyperscale data center campus, ensuring 100% uptime for AI-optimized workloads.
- Rapidly achieved full Personnel Qualification Standard (PQS) and Campus Management & Control Center (CMCC) qualifications, demonstrating advanced proficiency in hyperscale facility operations.
- Execute high-voltage switching and substation operations, adhering to strict Control of Hazardous Energy (CoHE) and Lockout/Tagout (LOTO) protocols to ensure personnel safety and system integrity.
- Monitor and control facility infrastructure using Building Alert Management (BAM), Aveva/Ignition SCADA, and proprietary BMS platforms, responding rapidly

to alarms and facility emergencies.

- Perform preventative and corrective maintenance on critical cooling systems, including chillers, CRAC units, direct evaporative cooling (DEC), and industrial water systems, optimizing Power Usage Effectiveness (PUE).
- Manage work orders, asset tracking, and vendor escorts utilizing Hexagon Enterprise Asset Management (EAM) software, ensuring all maintenance activities are meticulously documented.
- Conduct routine inspections of emergency generators, UPS systems, static transfer cabinets (STC), and fire/life safety systems, strictly following Method of Procedures (MOPs) and Standard Operating Procedures (SOPs).

**Advance Industrial Mechanical** | Tampa, FL *Service Technician Level 3* | November 2023 – November 2025

- Executed hands-on operations and maintenance of industrial and commercial HVAC/R systems within critical infrastructure, specifically dialysis centers, ensuring zero disruption to life-sustaining business operations.
- Troubleshoot, repaired, and optimized large-scale chillers (including water distribution and treatment), VRF and DX cooling systems, DOAS, and commercial refrigeration equipment.
- Serviced Liebert and other CRAC units integrated with dry coolers and glycol loop systems, maintaining precise temperature and humidity control critical to facility operations.
- Conducted mechanical and electrical service tasks, including the maintenance of pumps, VFDs, and electrical distribution systems, strictly adhering to site safety protocols and operational procedures.
- Utilized BACnet and BMS protocols for the installation, troubleshooting, and optimization of low-voltage control systems, enabling effective remote monitoring in control room environments.
- Interpreted blueprints, CAD drawings, mechanical plans, and equipment shop drawings to provide QA/QC oversight for retrofits and complete work orders accurately within enterprise asset management systems.

**Kovnick Investments** | Tampa, FL *HVAC Service Technician and Installer* | January 2017 – November 2023

- Specialized in light commercial HVAC systems, including Rooftop Units (RTUs) ranging from 5 to 20 tons, performing installations, preventative maintenance, and complex repairs with a focus on DX cooling and refrigeration cycles.
- Demonstrated advanced electrical and low-voltage diagnostic capabilities, efficiently resolving mechanical and electrical faults to maintain safety and operational uptime in critical facility operations.
- Conducted comprehensive air balancing, VAV system repairs, and refrigeration equipment maintenance to optimize system performance and energy efficiency.
- Partnered with engineering teams to implement system upgrades, ensuring strict adherence to ASHRAE standards, procedure-based maintenance protocols, and life safety requirements.

## Education

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Viera High School | Viera, FL *High School Diploma* | 2015

## Certifications & Licenses

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- **EPA 608 Universal Certification** (Active)
- **Alabama Backflow Preventer Certification** (Active)
- **NFPA 70E (Arc Flash / Electrical Safety) Certification** (2026)
- **IDC EHS Critical Facility Engineer (CFE) US Certification** (2026)
- **IDC EHS Authorized Electrical Person (AEP) & Qualified High/Medium Voltage Operator** (2026)
- **CoHE (Control of Hazardous Energy) Authorized Person** (2026)
- **Mobile Elevated Work Platform (MEWP) / Aerial Lift & Fall Protection Trained** (2026)
- **First Aid / CPR / AED Certified** (2026)
- **Trane Symbio Controls Certification** (Active)
- **Daikin VRV Certification** (2024 – Present)
- **CaptiveAire Factory Certified Technician** (2024 – Present)
- **AAON Service Training** (2025 – Present)