

Justice McKinney

SUMMARY

- Justice is a Building Automation Controls Engineer with 5+ years of hands-on experience supporting Siemens Building Automation Systems in mission-critical environments, including large multi-building data center and commercial facilities.
- Hands-on experience with Siemens Apogee Insight and Desigo, with some PPCL (Powers Process Control Language) understanding learned directly through Siemens platforms and applied in live BAS environments.
- Proven background operating, monitoring, troubleshooting, and optimizing BACnet-based building control systems supporting HVAC and utility infrastructure.
- Deep operational experience with complex facility systems including chillers, cooling towers, AHUs, CRAH/CRAC units, fan wall systems, boilers, generators, and associated controls, within high availability (N+1) designed campuses.
- Strong documentation and compliance discipline with experience executing MOPs, SOPs, MSOWs, alarm response, vendor coordination, and system change management.
- Licensed City of Chicago Stationary Engineer, EPA Universal CFC certified, OSHA 30, NFPA 70E trained, with ongoing formal education in electrical systems, HVAC controls, pneumatic and digital controls, and critical systems engineering.
- Local to the Volo, IL area, available for full-time onsite support with a 2-week notice to start.

PROFESSIONAL EXPERIENCE

Microsoft, Franklin Park, IL 60131

June 2025 - Present

Critical Environment Technician - Level 4

Operation and maintenance of data center campuses at 3 separate locations including Franklin Park, Elk Grove Village, and Hoffman Estates

305,000 Sq Ft Franklin Park Site N+1

- Multiple Adiabatic AHU Fan Walls (Swamp Coolers) Ballard Design Electrical System
- GB300 Server Racks w internal liquid cooling
- Contributed to what was considered the first group of contractors to satisfy management KPIs out of handfuls prior
- Vendor Orientation & Escorting
- MOP, SOP, MSOW procedures

Cyrus One, Aurora, IL 60502

Dec 2023 - Jan 2025

Critical Operating Engineer

Operation and maintenance of a 2.1 million ft² data center campus

- Ten Cooling Towers
- Eight 450-ton Trane Chillers
- Ten 550-ton Smardt Chillers
- Sixty-Three 550-ton York Chillers
- One-Hundred One generators
- Eighteen Data Halls
- Nine ERV Units Two CRAC Units
- Forty-eight Air Handling Units
- One-Hundred Thirty-Five CRAH units
- Eighty-Four Fan Wall Units
- Two Siemens Apogee and Divcon Building Automation System/ Console Operator
 - Delta Controls enteliWEB (DIVCON) {Buildings 2&3}
 - Siemens Insight {Building 1}

- Nlyte Energy Optimizer
 - Eaton WebViews (Foreseer)
 - BTECH Battery Management
- VESDA Systems
- Marioff HI-FOG Water Mist Fire Suppression Systems
- MOPs JLL CEM Risk Management
- Zendesk Customer Service
- MCIM/Salesforce
- Corrigo
 - Working Voltages: 120/208, 277/480 138kV supplied to entire campus
 - Steps down to 13.8kV at Transformers
 - 480V at PDU and distributed across the building accordingly
- Daily rounds and reporting of any issues or alarms
- Submitting tickets and vendor requests for new issues

Interstate Management Company, Hyatt Centric The Loop, Chicago IL 60603 July 2020 - Dec 2023
Building Engineer Trainee

Operation and maintenance of a high-rise office building turned hotel

- Two Camus DynaFlame 1500k BTU/hr. Hot Water Boilers 160 MWP
- Two Camus Dynaforce 2000k BTU/hr. Hot Water Boilers 160 MWP
- B.A.C. PT2 | Two Cell Induced Draft Cooling Tower, Two 15HP Motors, Two ABB VFD's 103 - 987 Tons
- Two Annex Air AHUs, 400 CFM/Ton, R410-A Scroll Compressors
- Alfa Laval Heat Exchanger 2429ft²
- Working Voltages: 120/208, 277,480
- TAC/IA Series Enterprise Network Server BAS
- Emergency Generator
- Electric Heat {FPB}
- ColdZone Box Powered Walk-In Coolers
- Heat Pumps in guest rooms

CERTIFICATIONS & LICENSES

City Of Chicago Stationary Engineer License Universal CFC EPA 608

Critical Systems OSHA 10 Hour

OSHA 30 Hour

NFPA 70E 2024

Certified Pool Operator

EDUCATION

Triton College/ Local 399 - Engineering (Pending FET Associates) Jan 2022 - Present

- Electricity for Facilities Engineers I & II
- Heating and Cooling I & II
- Pneumatic & Digital Controls
- Plumbing Repair & Maintenance
- Indoor Air Quality
- Understanding Plan Drawings
- Critical Systems
- Boiler Operation
- Boiler Prep Seminar



- Emergency Generator Transfer
- Drinking & Recreational Water
- Rooftop Equipment Operation & Maintenance

Elgin Community College – HVAC

June 2016 - August 2019

- HAC 101 - Air Conditioning & Refrigeration I
- HAC 102 - Air Conditioning & Refrigeration II
- HAC 103 - Basic Heating Oil & Gas
- HAC 114 - Basic HVACR Controls
- HAC 119 - Refrigerant Recovery Certification
- HAC 205 - Commercial Air Conditioning