

# Justice McKinney

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## Objective

Building Automation Controls Engineer with hands-on experience operating Siemens Apogee and Insight BAS platforms in mission-critical environments. Seeking to leverage multi-platform BAS fluency, HVAC systems expertise, and documentation discipline in a pharmaceutical controls engineering role.

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## Professional History

**Dec 2023 – Jan 2025**

### **Jones Lang LaSalle @ CyrusOne, 2905 Diehl Rd, Aurora, IL 60502 – Critical Operating Engineer / BAS Console Operator**

Operation and maintenance of a 2.1 Million ft<sup>2</sup> data center campus with direct BAS responsibilities:

#### **Building Automation Systems:**

- Two Siemens Apogee and Divcon Building Automation Systems — Console Operator
  - Delta Controls EnteliWEB (DIVCON) {Buildings 2&3}
  - Siemens Insight {Building 1}
  - Nlyte Energy Optimizer
  - Eaton WebViews (FORESEER)
  - BTECH Battery Management

#### **HVAC & Mechanical Infrastructure:**

- Ten Cooling Towers
- Eight 450-ton Trane Chillers
- Ten 550-ton Smardt Chillers
- Sixty-Three 550-ton York Chillers
- Forty-eight Air Handling Units
- One-Hundred Thirty Five CRAH units
- Eighty Four Fan Wall Units
- Nine ERV Units / Two CRAC Units
- Eighteen Data Halls

#### **Critical Systems & Operations:**

- VESDA Systems
  - Marioff Hi-Fog Water Mist Fire Suppression Systems
  - MOPs — JLL CEM Risk Management
  - One-Hundred One generators
  - Working Voltages: 120/208, 277/480 (138kV campus supply → 13.8kV → 480V distribution)
  - Daily rounds and reporting of issues/alarms
  - Zendesk Customer Service / MCIM/Salesforce / Corrigo ticketing
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## **Jun 2025 – Active**

### **Insight Global @ Microsoft, 9401 Grand Avenue, Franklin Park, IL 60131 – Critical Environment Technician – Level 4**

Operation and maintenance of data center campuses at 3 separate locations:

- 305,000 Sq Ft Franklin Park Site (N+1 Redundancy)
  - Multiple Adiabatic AHU Fan Walls (Swamp Coolers)
  - Ballard Design Electrical System
  - GB300 Server Racks w/ internal liquid cooling
  - Contributed to the first group of contractors to satisfy management KPIs
  - Vendor Orientation & Escorting
  - MOP, SOP, MSOW procedures
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## **July 2020 – Dec 2023**

### **Interstate Management Company, Hyatt Centric The Loop, 100 W Monroe St, Chicago IL 60603 – 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 (103 – 987 Tons)
  - Two Annex Air AHUs (400 CFM/Ton, R410-A Scroll Compressors)
  - Alfa Laval Heat Exchanger 2429ft<sup>2</sup>
  - TAC/IA Series Enterprise Network Server BAS
  - Emergency Generator
  - Working Voltages: 120/208, 277, 480
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## **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**

### **Jan 2022 – Present**

#### **Triton College / Local 399 – Engineering (Pending FET Associates)**

- Pneumatic & Digital Controls
- Electricity for Facilities Engineers I & II
- Heating and Cooling I & II

- Boiler Operation / Boiler Prep Seminar
- Emergency Generator Transfer
- Indoor Air Quality
- Critical Systems
- Plumbing Repair & Maintenance
- Understanding Plan Drawings
- Rooftop Equipment Operation & Maintenance

## **June 2016 – August 2019**

### **Elgin Community College – HVAC**

- Air Conditioning & Refrigeration I & II
- Basic Heating Oil & Gas
- Basic HVACR Controls
- Refrigerant Recovery Certification
- Commercial Air Conditioning

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**References Available Upon Request**