**JINS MANAVALAN SUNNY**

**4th Class Power Engineer**

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**SUMMARY PROFILE\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

* BOMA Energy Training for Building Operations - pursuing.
* ABSA 4th class power engineering steam ticket with ABSA file number A-90383.
* Bachelor’s Degree in Engineering with strong reasoning and technical aptitude.
* Over 6 years of experience in building operation with excellent communication and organizational skills.
* Experienced in Johnson Controls HVAC and Metasys.
* Strong electro-mechanical and instrumentation aptitude.
* Experienced in Direct Digital Control (DDC) and Programmable logic Controller (PLC) systems.

**RELEVANT PROFESSIONAL WORK HISTORY \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**4th Class Power Engineer**

**SAIT Power Lab, Calgary AB ( Nov 2016 - Dec 2016 )**

Gained expertise in the operation, functional analysis and troubleshooting of the following systems as a trainee:

* Johnson Controls HVAC operated and optimized through building automation system Metasys.
* Performed water tests on various samples of water for hardness, alkalinity, pH, conductivity, sulphite and phosphate. Performed water treatment using Sodium Zeolite softner for reducing hardness.
* Various types of pumps including multi-stage centrifugal feed water pumps, positive displacement chemical feed pumps, Sisson Variable Speed Pumps etc.
* Ingersoll Rand air compressor, Lister internal combustion engine with generator.
* Operation of high pressure and low pressure boilers. Steam and hot-water boilers.
* Ammonia compression, indirect refrigeration system using Glycol.
* Piping and Instrument Diagram (P&ID), piping and the associated mechanical fittings.

**Building Operation and Systems Technician**

**Hotel Taj Residency , Cochin, India ( Dec 2007 – Aug 2014 )**

* Conducted inspection and troubleshooting of all building systems including Direct Digital Control (DDC) to ensure safe, healthy and clean building environment that satisfies customer needs.
* Carried out routine check for correct operation of HVAC and all other electrical, mechanical and control equipments as per daily, weekly, monthly service plan and servicing tenant requests in a daily basis.
* Appreciated for the initiation taken for system changes done in replacing the mechanical starter with the soft starter and enhancing the reliable performance of the driver motors in the plant.
* Identified root cause of problems and solved them with effective solutions to optimize equipment uptime, demonstrated safe work practices and followed all management policies and procedures.
* Monitored and participated in operation of utility steam and hot-water boilers for cleaning systems.
* Operated and maintained steam and hot-water boilers, generator power systems, chillers, cooling towers, burners, air compressor and Air Handling Units (AHU).
* Monitored and participated in water treatment procedures in conjunction with the utility steam and hot water boilers.
* Operated and maintained generator power systems, chillers, cooling towers, burners, air compressor and Air Handling Units (AHU).
* Monitor and respond to tenant requests for services for lighting, plumbing and electrical systems to ensure every unscheduled repair is carried out in time on a priority basis.
* Recorded and reviewed log books with test results, gauge readings, operational activities and collaborated with other operators. Prepared and kept associated inventory of essential materials. Performed needful communications with the management.
* Monitored Fire Pump systems, motors, sewage pumps, electrical systems and troubleshot the controls of elevator and conveyor systems regarding Programmable Logic Controller (PLC) operations in the building.
* Participated in all building operations relative to fire and life safety procedures including testing of fire equipment and valves.
* Ensured all health, safety and security procedures are adhered and areas of concerns were reported to the appropriate parties in a timely manner in order to limit liabilities and losses.
* Prepared, initiated and participated maintenance scheduling. Performed all maintenance procedures, preventive maintenance and operational servicing as required.
* Optimized equipment uptime, demonstrated safe work practices and followed all management policies and procedures.

**OTHER CANADIAN WORK HISTORY\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Material Handler**

**Federated Co-operatives Limited, Calgary, Canada ( Jan 2015 – May 2015 )**

* Worked with FCL at housing and building supplies warehouse as material handler.
* Worked in different sections in the warehouse as an order picker.

**Warehouse worker**

 **Supply Chain Management ( SCM ), Whitehorn, Calgary, Canada ( Sep 2014 – Dec 2014 )**

* Worked in SCM in break-pack department as warehouse worker.
* Worked in modules and in other sections in break-pack department and in DA.

**EDUCATION AND RELATED TRAINING\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

* BOMA Energy Training for Building Operations 2017

 Building Owners & Managers Association

* ABSA 4th Class Power Engineering Certificate of Competency 2017

 SAIT Calgary AB

* Bachelor’s Degree in Engineering 2008

The IETE, New Delhi, India

* Mechanical Refrigeration And Air-Conditioning Certification 2005

 LUNA Industrial Training Centre, Thrissur, India

* Programmable Logic Controller And Automation Certification 1999

 LUNA Industrial Training Centre, Thrissur, India

* Pre- Degree in Science 1998

 Christ College, Kerala , India.