



FALCON®
MULTI SERVICES LTD

Falcon Multi Services Ltd

201, Creado, Juhu Chruch Road, Juhu Mumbai 400049

Personal Information

Candidate id	5198
Name	PATEL SHIVAMKUMAR JAYANTIBHAI
Date of Birth	1995-08-20
Salary (in USD)	3000/Per Month
Industry	Maintenance & Inspection
Sub Industry	NDT Technician
Nationality	India
Primary Language	English,
Secondary Language	Hindi,
Total Years of Experience	10

Additional Information

Roles and Responsibilities	Additional Skills/Certification
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Instrumentation is a vital engineering discipline that deals with the measurement, monitoring, control, and automation of industrial processes. It plays a key role in ensuring safety, efficiency, accuracy, and reliability in industries such as power plants, oil and gas, chemical plants, pharmaceuticals, cement, steel, and manufacturing units. The primary purpose of instrumentation is to measure physical parameters like pressure, temperature, flow, level, vibration, speed, and composition, and convert these values into readable or controllable signals. Instrumentation systems consist of sensors, transmitters, controllers, indicators, recorders, and final control elements such as control valves and actuators. Sensors detect the process variable, while transmitters convert it into standard signals like 4–20 mA or digital communication protocols such as HART, Modbus, or Fieldbus. Controllers, such as PLCs and DCS systems, compare the measured value with the set point and generate control actions to maintain stable process conditions. Accurate instrumentation helps prevent equipment damage, reduces downtime, improves product quality, and ensures compliance with safety and environmental regulations. Calibration and maintenance of instruments are essential to maintain accuracy and reliability. Modern instrumentation also includes smart instruments, predictive maintenance, and integration with SCADA and Industrial Internet of Things (IIoT) systems. In conclusion, instrumentation is the backbone of industrial automation. Without proper instrumentation, safe operation and optimal performance of industrial plants would not be possible. It bridges the gap between physical processes and control systems, making industries smarter, safer, and more efficient.

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PERMIT VISION

Education Summary

Course	University	Passing Year	Country
DIPLOMA INSTRUMENTATION & CONTROL ENGINEERING	MISSION INSTITUTE & MANAGEMENT OF ENGINEERING	2013	India

Career Summary

Position	Employer	Country	From	To
INSTRUMENT & CONTROL TECHNICIAN	FIELD CORE (GE) As a Free Lancer	Qatar	10/2023	10/2025

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