

Dheeraj Kammili

PROFILE SUMMARY: Field Service Engineer

Technical professional with 3 years of hands-on experience in the field of Semiconductor and Pharmaceutical industries. Highly educated possessing a Bachelors, PG Diploma (level 9) with professional certifications in GMP, construction and semiconductor environment

Seeking an opportunity to enhance my skills and be an asset to the Company

- **Passionate for learning and Continuous Improvement;** Enthusiastic of learning new methodologies and technologies. Collaborative, dedicated and adaptable person with excellent presentation and reporting skills

TECHNICAL PROFICIENCIES

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|--------------------------------------|---------------------------------------|--------------------------------|
| • Preventive Maintenance (PM), CMMS | • Installation, Calibration, P&ID | • 5S DMAIC, Lean Six Sigma |
| • PLC/HMI Programming, GMP certified | • Ethernet, IP addressing, Hydraulics | • Corrective maintenance, FMEA |
| • Vision systems, Troubleshooting | • Root Cause Analysis, Networking | • C, Java, Python(basics) |

CAREER EXPERIENCE

Field Service Engineer, Tokyo Electron Europe Limited, Co. Kildare

December 2021 - Present

- Performing the necessary repairs/adjustments by referring to operations and maintenance manuals (both basic & advanced level) to the Semiconductor equipment
- Performing precise **temperature testing and calibration** for the Semiconductor wafer test equipment
- Performing complete **Installation, Commissioning, calibration, and testing** for semiconductor tools in several international customer sites (in Ireland, France, Germany, UK)
- Ensuring **Preventive Maintenance, Corrective maintenance** activities are carried out as per the Schedule.
- Constantly updating work orders, PM procedures in accordance with the Field Service Maintenance system
- Experience of **reading electrical, Piping diagrams and PLC** for troubleshooting of machinery equipment
- Dealing with solenoid valves, cylinders, motors, pumps, and other pneumatic, hydraulic components
- Inspecting, Monitoring, collecting the data for **troubleshooting of Mechanical Breakdowns**
- Carrying out the necessary Maintenance activities and ensuring production lines are running effectively
- Communicating the Vision system, **hardware networking** onto the PLC by establishing an Ethernet connection
- Setting up the software, IP addressing to the machine to enable remote access operation

Maintenance Engineer Intern, Pinewood Healthcare, Co. Waterford

February - November 2021

- Performed **PLC Programming** and operating the **HMI** for the Machinery in Productions Lines
- Modified multiple machinery PLC code (Allen Bradley, Panasonic PLC's) using **ladder logic** for operability, readability, and troubleshooting
- Ensuring **Preventive Maintenance, Corrective maintenance** activities are carried out as per the Schedule.
- Installation and maintenance of plant equipment in several production lines.
- Keeping track of Maintenance KPI's and Designing detail-oriented Graphical reports of Production Lines using Advanced Microsoft Excel skills explaining the downtime, run time, MTTR, MTBF, speed and OEE
- Ensured barcodes/pharma codes/data matrix are properly read onto the cartons using Vision system (Cognex)
- Supporting FAT/SAT and collaborated in Installation (IQ, OQ) and commissioning of Plant equipment
- Calibration and **precise temperature testing** for manufacturing of different recipes and products
- Documenting the list of approved and planned maintenance work that needs to be executed using **CMMS (Computerized Maintenance Management System)**
- Carrying out the maintenance work as per CMMS by constantly updating work orders, PM procedures and Assets with the Service dates.
- Completing the maintenance documentation work in line with the maintenance SOP's

Electrical and Maintenance Intern, Bharat Heavy Electricals Limited (BHEL), India
2018 - 2019

- Read and modeled **Single line diagrams**, PLC terminal, and Wiring diagrams using **AutoCAD Software**
- Collaborated in the Installation, and calibration testing of new Electrical/mechanical equipment
- Studied the working and operation of **PLC, SCADA, DCS** and gained competent skills
- Installation of PLC panels, Distribution termination, and Termination of electrical motors

EDUCATION AND CREDENTIALS

- **PG Diploma (Level-9) in Electronics Engineering (1.1 Honours with 70.3% aggregate)** **2019 - 2020**
Stream: Embedded and Wireless Systems
National University of Ireland Maynooth, Ireland
- **Bachelors in Electrical and Electronics Engineering (1.1 Honours with 71.7% aggregate)** **2015 - 2019**
PVP Siddhartha Institute of Technology, India

QUALIFICATIONS

- **Full Irish Driving License**

CERTIFICATIONS

Health and Safety awareness training - Tokyo Electron Europe Limited, Ireland

- Certified in Safe Pass, Manual Handling, Arc Flash, Chemical and Safety Awareness
- Trained and Certified in Maintenance, Installation and Calibration of Semiconductor test systems equipment

GMP Certification at Pinewood Healthcare, Co. Waterford, Ireland

- Exposure to working within cGMP Guidelines and completed Manual Handling Course
- Ensuring products free from Contamination (Certified in Health and Safety, and Chemical Safety Awareness)

Certification in Lean Six Sigma at IT Sligo, Ireland - May 2020 to June 2020

- 5S Approach (DMAIC), Reviewed Key performance Indicators
- Utilised various techniques in Quality Management like Process Mapping, histograms, DOE, and 5 why analysis