

# IBBO ABDOLI

**Service Engineer / Automation Technician | Industrial Automation | Robot Troubleshooting | Vision Systems**

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## PROFILE

Service Engineer and Automation Technician with hands-on experience in industrial automation, electrical and PLC/I/O troubleshooting, ABB robots and machine vision. Experienced in supporting production during downtime, analyzing alarms, signals and sequence logic, identifying root causes and restoring stable operation. Combines field service, safety awareness and clear technical documentation to support production and maintenance teams effectively.

## TECHNICAL PROFILE

### Industrial troubleshooting

Downtime response, alarm analysis, root cause work, production support and safe restart.

### ABB Robot / RobotStudio

RobotStudio, RAPID review, positions, grippers, I/O handshake and safety/status signals.

### Electrical & maintenance

Control cabinets, motors, cabling, sensors, safety sensors, thermography and preventive maintenance.

### PLC / I/O / HMI

Signal verification, sensors, sequence logic, TIA Portal, HMI/SCADA and industrial communication.

### Machine vision

EA Vision Studio, Cognex VisionPro, camera, trigger, recipes, image acquisition and robot/vision communication.

### Documentation

Service reports, fault descriptions, action logs, operator support and technical handover.

## WORK EXPERIENCE

### Service Engineer / Automation Technician - Industrial Automation

*Elektroautomatik i Sverige AB | Dec 2024 - Present | Södertälje / Stockholm*

Customer assignments in industrial production focused on troubleshooting, service, installation, operational support and improvements.

- Troubleshoot PLC/I/O, sensors, motors, cabling, control cabinets and control systems during production downtime.
- Analyze alarms, sequence logic and signal flow to identify root causes and support fast, safe restart.
- Work with ABB robots, RobotStudio and RAPID review to analyze movements, positions, I/O handshake, grippers and robot status.
- Troubleshoot robot and vision-related faults involving camera/trigger, recipes, EA Vision Studio, Cognex VisionPro and robot communication.
- Document fault descriptions, actions and technical recommendations in clear service and fault reports.

### Customer assignment: Cummins Inc. - Service Technician / Industrial Electrician

*Via Elektroautomatik | Sep 2025 - Nov 2025 | Lindesberg*

- Provided service, troubleshooting and technical operational support in an industrial production environment.
- Checked machines, sensors, motors and electrical components and supported production during disturbances.

### Customer assignment: Lantmännen - Service Technician / Industrial Electrician

*Via Elektroautomatik | Jan 2025 - Jun 2025 | Järna / Södertälje*

- Performed urgent troubleshooting on motors, fans, elevators, control cabinets and production equipment.
- Carried out electrical inspections, thermography, preventive maintenance and technical reporting; over 1600 reported technical work hours.

## WORK EXPERIENCE, CONTINUED

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### Test and Production Technician

DeLaval International AB | Apr 2018 - Aug 2024 | Tumba / Botkyrka

- Performed functional testing, verification and quality assurance of technical systems, VMS milking robots and production equipment.
- Identified and troubleshoot electrical, mechanical and system-related deviations in close cooperation with production, quality and development teams.
- Documented test results and technical observations to strengthen quality, traceability and stable test flows.
- Also worked with software-related tasks, internal tools, test support and troubleshooting of system behavior.

### SELECTED TECHNICAL CASES

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**Machine vision & ABB robot cell:** EAVS/Cognex VisionPro, image timeout, trigger timing, camera/recipe handling and robot communication.

**Robot status & alarms:** Verification of motor signals, stop causes, I/O, safety state and operator logic.

**PLC / Factory I/O:** Sensor-based sorting logic with Siemens TIA Portal, S7-1200 and sequence understanding.

**ABB RobotStudio & RAPID:** Movement simulation, collision risk, positions, grippers and safe test strategy.

**Weber/Zebra communication:** Troubleshooting of applicator/printer, configuration, signal timing and downtime.

**Electrical service & production:** Motors, fans, pumps, HMI, safety sensors, cabinets, cabling and service follow-up.

### EARLIER EXPERIENCE

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- Stallarholmens Mekaniska AB | Fire Protection Specialist / Service Technician | Apr 2016 - Apr 2018 - fire safety, inspections, risk assessments and practical follow-up.
- İDEA Elektronik Sistemleri | Technical Services / Security Systems | Jul 2014 - Aug 2016 - installation, service and troubleshooting of electronic security systems.
- Mega Holdings | Web Designer / Technical Support | Aug 2014 - Aug 2016 - web design, HTML, support and customer communication.
- Butane Industrial Group | Technical Support Services | Oct 2008 - Apr 2010 - electronics, hardware testing, troubleshooting and technical documentation.

### EDUCATION, CERTIFICATIONS & LANGUAGES

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#### Education & certifications

- Bachelor of Engineering, Electrical and Electronics Engineering - Islamic Azad University, 2010-2014
- SSG Entré - valid
- Hot Work certificate
- Mobile work platforms - scissor and boom lift
- Simatic TIA Portal programming for PLC
- Python, Linux and Docker/DevOps foundations

#### Languages & other

- Swedish - professional working proficiency
- English - working proficiency
- Persian - native
- B driving licence

### TECHNICAL KEYWORDS

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PLC, I/O diagnostics, ABB IRC5, RAPID, RobotStudio, EA Vision Studio, Cognex VisionPro, TIA Portal, HMI/SCADA, sensors, motors, control cabinets, machine safety, preventive maintenance, root cause analysis, commissioning, service documentation.