

Eddie LARABI, P.Eng

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Professional Summary

Field Service Engineering with seventeen-plus years of service engineering experience domestic and international in industrial settings including instrumentation, automation and electromechanics to improve operations efficiency.

Committed to motivating staff to achieve goals while ensuring efficient project progress which include commissioning, repair and preventive maintenance, and instrumentation upgrades.

Education

Professional Certificate in coding – Full Stack Development with MREN

MIT Professional Education, Boston, MA August 2023

Bachelor of Science – Software Engineering

Colorado Technical University, Colorado Springs, CO Feb 2008

Associate degree– Electronic and Communication

RETS Technical Center DBA, Charlestown, MA Feb 2005

Professional associate degree– Production Engineering Systems

University Of Technology Belfort-Montbéliard, Belfort, FRANCE June 2001

Associate degree– Instrumentation & Automation

Institute Superior of Applied Technology Casablanca, MORROCO June 1999

Professional Experience

Field Services Engineer

TMRW Life Sciences – New York April 2022 -Present

- Answer inquiries from clients with lab system service questions or problems related to software, hardware, and instrumentation.
- Diagnose problems over the phone and/or with use of remote diagnostic software and follow up afterwards to ensure problems were resolved.
- Conduct training for client personnel on the maintenance, repair, and installation of equipment upon request.
- Assist in the support of control system, utilizing manuals, schematics, and test equipment.
- Prepare and report service reports accurately and act as an escalation point for the TMRW team.
- Keep abreast of new field service technological developments, including AI and remote PD and remediation.
- Ensure project implementation plans are built and formally delivered to clients.

Field Service Senior Engineer

Thayer Scale- Hyer Industries; Pembroke, MA May 2005 – April 2022

- Installed Thayer weighing equipment and its PLC controller and played a key role in integrating it with Rockwell instrumentation and Allen-Bradley MicroLogix controllers in accordance with client requests.
- Managed and addressed commissioning issues including cross reference with old instrumentation and controllers.
- Processed, examined, and certified Thayer weighing equipment at client site.
- Provided client counseling and used acquired expertise to analyze and advise alternative solutions whenever requirement arises for modification or adjustment to new production process.
- Assisted in improving performance and equipment operations.
- Provided formal training at customer job site to enable technicians and operators to operate Thayer equipment efficiently and maintain ongoing production quality, and to perform troubleshooting and preventive maintenance (PM and Calibration) when needed.
- Recognized and addressed weigh control issues by troubleshooting mechanical, electrical, instrumentation, and PLC controller programming aspects, encompassing digital/analog input/output and motor controller functionality.
- Ensured that all service project requirement and commissioning were met and maintained service quality and customer satisfaction.
- Identified engineering problems and alternatives to improve and operate equipment and maintained positive interaction with other engineering departments to ensure equipment quality and improvement.
- Provided accurate project and commissioning completion timeline for client.
- Prepared service reports.

Skills

Industrial Skills:

- Ability to adapt to any industrial environments national and international with excellent ability to communicate effectively and use acquired interpersonal expertise to assure work quality and safety.
- Familiarity with industrial safety regulations (OSHA and International safety regulatory compliance), and ability to work safe and maintain safe working environment while providing service.
- Substantial project development and resource allocation experience.
- Proficient in the use of instrumentation, Automation and electro-mechanic devices.
- Proficient in reading electrical and mechanical schematics and diagrams to trace electrical and/or electronic components failures.
- Proficient in the use of engineering software.
- Exceptional collaborative abilities with experience in leadership roles.
- Comprehensive written and verbal communications abilities.
- Good organizational skills.

Software Engineering skills & knowledge

- Strong understanding of software design patterns and architectural principles.
- Advanced knowledge of JavaScript and system programming.
- Proficient in building, testing, and deploying web applications using the MERN stack.
- Expertise in creating, testing, and deploying APIs.
- Skilled in developing and deploying front-end web applications using React.

- Experience setting up Continuous Integration (CI) and Continuous Delivery (CD) pipelines for React application deployment.
- Proficient in Git and GitHub for efficient version control, enabling collaborative development, code tracking, and project management.
- Proficient in Docker containerization for seamless application deployment within isolated and reproducible environments, improving development and deployment workflows.

Business skills:

- Small Business ownership/Management involving scheduling, resource management and budget.
- Technical business analysis.
- Specification and report writing.

Management skills:

- Excellent communication and interpersonal skills.
- Influencing, leading and delegating abilities.
- Ability to initiate/manage cross-functional teams and multi-disciplinary projects.
- Critical thinking, decision making and problem-solving skills.
- Planning and organizing.