Conor Melvin

www.linkedin.com/in/conormelvin00 | conormelvin2000@gmail.com

Dedicated and detail-oriented Automation Engineer with experience in DeltaV MES design, configuration, and testing. Skilled in conducting Factory Acceptance Tests (FATs) and producing critical project documentation, test scripts, and system manuals. Knowledgeable in GAMP5, MHRA, HPRA and EMA regulatory requirements. Currently pursuing an MSc in Project Management, equipped to handle high-pressure environments, manage deadlines, and optimize team dynamics. Available for on-site positions in Croatia, eager to apply my automation engineering expertise and contribute to project success over the full contract duration

Education

UNIVERSITY COLLEGE DUBLIN, Smurfit Graduate Business School, Dublin   *Expected graduation: 2026*
MSc in Project Management (Part-Time Online)
Atlantic Technological University, Old Dublin Rd, Galway   *Graduated: Dec 2023*
Bachelor of Engineering (Honours) in Mechanical Engineering   *Grade: 2.1*

Work Experience

Cognizant | *Automation Engineer*   *July 2023 – Present*
- **DeltaV Graphics Development:** Created user-focused DeltaV graphics, enhancing operational clarity and usability for end users in pharmaceutical environments.
- **Module Configuration:** Designed and configured DeltaV modules to align with specific project needs, ensuring system efficiency and functionality.
- **Factory Acceptance Testing (FAT):** Conducted rigorous FATs to validate system performance and ensure compliance with client specifications prior to site deployment. Expertly diagnosed and resolved issues within DeltaV systems during the FAT phase to ensure correct system performance and alignment with project objectives.
- **Regulatory Knowledge:** Familiar with GAMP5 guidelines to ensure automation systems meet industry standards and compliant with HPRA (IE), MHRA (UK) and EMA (EU) regulatory requirements for pharmaceutical manufacturing.
- **Project Management Application:** Leveraged ongoing MSc studies to effectively manage deadlines, navigate high-pressure testing phases, and enhance cross-functional team collaboration.

Mirror Controls International | *Operator*   *Apr 2022 – Aug 2022*
- **Injection Molding Support**: Ensured continuous material feed into machines, identified and cleared rejected components, and assisted technicians with tool setup and maintenance.
- **Automated Assembly Line Maintenance**: Maintained smooth operation of automated assembly lines by troubleshooting sensor and pneumatic system errors and performing quality control assessments with detailed reporting.

Projects

SCARA Robot with Custom Design and Assembly | *Final Year Project*   *Sep 2022 – May 2023*
- **SCARA Robot Design & Assembly**: Designed, manufactured, and assembled a SCARA robot using 3D-printed components and standard off-the-shelf parts for efficient construction.
- **Python Programming & Arduino Integration**: Developed a Python program and established serial communication with Arduino to control the robot's movements and tasks.
- **Finite Element Analysis**: Conducted finite element analysis using Ansys to test structural performance.