

Role Purpose:

To contribute to the delivery and realisation of process automation project work through development and testing, and through the use and development of digital technologies. Additionally, as required, to contribute to the delivery and realisation of broader digital and automation project work and internal capability building.

The RS1 will work both within their individual team and the wider technology team to support digital and automation work as required. The RS1 will work under technical supervision of line manager and senior colleagues.

Key Responsibilities:

- Embrace and role model the desired behaviours to exemplify our Company values, promoting an ethical, positive company culture.
- To maintain consistent and document compliance with all relevant Safety, Health and Environmental (SHE), quality and best practice requirements.
- To keep self up to date with developments in areas relevant to role, and/or legislative and SHE related changes as communicated by senior colleagues, ensuring understanding of these and any associated new best practice, methods or techniques.
- To present and formally report experimental conclusions and supporting data for internal peer review and submission to clients, to agreed timescales and standards.
- To actively engage in hazard studies / SRA studies and discussions, as appropriate to role level.
- To set up, plan and execute experimental / pilot scale runs and analyse, interpret and report the results of these within agreed timescales and quality standards, and in accordance with project/client requirements.
- To be responsible for providing clearly documented records of technical data, decisions, methodologies, calculations and software use in an agreed format.
- To take ownership in agreeing weekly workplans with line manager, project manager(s) and other relevant stakeholders, and delivering plan to agreed schedule.
- To be responsible for the maintenance and calibration of equipment to ensure it operates in a safe and efficient manner and is available to meet customer needs.
- To take responsibility for general housekeeping of technical areas, to contribute to a safe and healthy workplace.

Role Specific Responsibilities:

- To continually develop theoretical and practical knowledge of process automation and related digital technologies
- To assist with the development and implementation of process automation workflows, for both batch and continuous processes
- To contribute to the integration of lab equipment for custom automation solutions

- To contribute to the development and implementation of advanced process control (APC) solutions for continuous processes
- To play a supporting role, under direction, during hardware engineering, as required
- To contribute to the analysis and interpretation of results and other data from automated processes
- To support the development and implementation of digital tools and technologies, especially as related to process automation
- To support the wider technical team in digital, automation, and bioprocess work
- To aid with data science and data engineering efforts within project work, as required

Good Manufacturing Practice - GMP

CPI have a responsibility to manufacture medicinal products of the requisite quality, fit for their intended use and be in accordance with the relevant Manufacturing and Marketing Authorisations, Clinical Trial Authorisation, Product Specification, Drug Master File or CEP Dossier as appropriate and which do not place patients at risk due to inadequate safety, quality, or efficacy. The Pharmaceutical Quality System, which incorporates Good Manufacturing Practice, is designed to deliver this quality objective, the attainment of which requires the participation and commitment of all staff across departments and at all levels within the company.

Good Manufacturing Practice is the part of Quality Management which ensures that products are consistently produced to the correct quality standards. To comply with the principles of GMP, it is required that clearly defined procedures are adhered to when performing operations across CPI.

Data Integrity - DI

Data Integrity is the degree to which data are complete, consistent, accurate, trustworthy, reliable and that these characteristics of the data are maintained throughout the data life cycle. The data should be collected and maintained in a secure manner, so that they are attributable, legible, contemporaneously recorded, original (or a true copy) and accurate. Assuring data integrity requires appropriate quality and risk management systems, including adherence to sound scientific principles and good documentation practices.

CPI, as a GXP organisation, have developed a Pharmaceutical Quality System, which incorporates a DI Governance System – a series of arrangements to ensure that data, irrespective of the format in which they are generated, are recorded, processed, retained, and used to ensure the record throughout the data lifecycle.

To comply with the principles of DI, it is required that clearly defined procedures are adhered to when performing operations across the site. All staff are actively encouraged/supported in the reporting of errors, omissions, and undesirable results.

Direct reports: No direct reports

Education / Qualifications:

Essential:	Desirable:
Educated to HNC or Foundation Degree level (or equivalent) in a Scientific/Engineering discipline plus relevant industrial or academic experience Or Educated to Degree level (or equivalent) in a Scientific/Engineering discipline	

Knowledge and Experience:

Essential:	Desirable:
Will possess a foundation of technical knowledge and some underpinning knowledge of at least one of: - Automation workflows - Continuous process automation - Advanced Process Control (APC) - Equipment integration - Industrial automation software Evidence of technical problem solving gained in academic or industrial environments. Will possess an awareness of digital technologies, specifically as they apply to process automation. Experience of planning and delivering technical work Experience of data analysis & reporting findings (documentation and/or presentations) Can demonstrate evidence of knowledge sharing and network building practice across teams or groups Has ability to apply learnt theoretical and practical scientific methods to contribute to business activities	Experience or familiarity with continuous process automation. Experience with Python programming. Familiarity with statistical analysis/modelling and DoE/QbD. Knowledge of data/network architecture and/or data science principles/skills. Knowledge of digital twins and/or other computational modelling techniques. Theoretical knowledge related to one of mammalian/microbial upstream or downstream processing.

Ability to apply own judgement and initiative within standard engineering or scientific practices, as well as an understanding of when to seek advice from colleagues

Competencies and behaviours	
Leadership (Core)	Decision Making (Enabling)
• Respects and values the diversity of talents, skills and backgrounds that others bring to joint projects / work. • Has a positive influence on those in contact with. • Gains the respect and confidence of colleagues and supports them in achieving their goals and targets. • Aligns own behaviours and actions to CPI's values, vision and goals.	• Pro-actively identifies and prioritises the key issues involved to facilitate the decision-making process. • Seeks input from the relevant stakeholders when appropriate, considers risks, and takes accountability for the impact a decision may have on others. • Makes decisions in a timely manner. • Identifies the key factors in a complex problem.
Communication (Core)	Developing self and others (Enabling)
• Communicates in a clear and concise manner, covering all relevant points in a timely manner. • Uses the appropriate route and format to communicate. • Confirms understanding of others communication. • Asks questions to understand other people's viewpoints	• Supports others in their development. • Is personally committed to, and actively seeks, opportunities to improve continuously. • Provides honest helpful feedback to others on their performance. • Insightful about self, strengths and limitations, and how to maximise contribution.
Collaboration (Enabling)	Delivery (Enabling)
• Understands the value of establishing effective and supportive relationships, and collaborative working. • Actively listens, questions and observes body language so as to understand communication from others. • Cultivates and maintains partnerships across departments to deliver value for the business	• Prioritises activities based on their impact and strategic importance. • Takes responsibility and monitors own performance. • Can articulate how their work feeds into projects. • Creates and exploits useful metrics. • Displays commitment and engagement to own work. Pursues everything with energy, drive and a need to finish, even when faced with setbacks or resistance.