ALEX YANG
Senior Automation Engineer

CONTROL SYSTEM EXPERIENCE

Skellig Automation, August 2019 to 2022, Oceanside, CA
Highlights:

- Staff augmentation at Gilead and Genentech, supporting pharmaceutical manufacturing processes.
- Implemented S88 batch processes for new product introduction throughout the full project cycle: design, implementation, qualification, and commissioning.
- Optimized control strategy and graphics by creating custom code to improve efficiency and performance.

Aztec Technologies, February 2018 to July 2019, Framingham, MA
Highlights:

- Staff augmentation in pharmaceutical manufacturing.
- Implemented projects for new equipment introduction, code improvement, and redesign.
- Provided operational support, troubleshooting, deviation analysis, and resolution.

Nexen Energy, May 2013 to February 2015, Fort McMurray, AB
Highlights:

- Provided operational support in the energy industry, collaborating with engineers, operators, and maintenance personnel.
- Conducted software, hardware, and instrumentation troubleshooting.
- Performed root cause analysis and implemented changes with minimal production impact.

TECHNICAL SKILLS

Automation Engineering: Specializing in DeltaV DCS, control strategy design, coding, and HMI implementation.

Project Management: Strong background in project management, including control logic debugging and troubleshooting.

Operation Support: Expertise in providing ongoing operation support, from troubleshooting to deviation resolution.

Software Engineering: Knowledge of multiple programming languages ranging from frontend, backend development to database and cloud system design.

Summary:

1. Extensive knowledge in control strategy design, implementation, and troubleshooting.
2. Leveraging software engineering principles to create reusable code bases, improving maintainability and future project efficiency.
3. Proven ability to drive business and operational results through innovative solutions and transferable, cross-industry project management approaches.

PROFILE

Seasoned Automation Engineer with a strong background in software design, development, and a commitment to integrity, accountability, and innovation. Proven track record of leading automation solutions across diverse industries, leveraging skills in DevOps, agile development, and project management. Experienced in collaborating with cross-functional teams to deliver high-quality, on-time projects efficiently. Equipped with strong business acumen, critical and strategic thinking, and the ability to devise creative solutions to complex challenges.

In addition to my engineering career, I have pursued entrepreneurial ventures, including owning and operating a successful car dealership. This experience further strengthened my leadership, business strategy, and problem-solving skills.

CONTACT INFORMATION

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