



PROFILE

Automation engineer, with a strong software development background. An entrepreneurial spirit that goes above and beyond integrity, accountability, and affinity for innovation. A track record of success in leading process automation projects; facilitating cross-department collaboration to ensure efficiency, quality and on-time project delivery. Insights from correlating modern software application design practices to introducing novel solutions in project management and coding strategy.

CONTACT

DM on LinkedIn:
www.linkedin.com/in/alexjzyang

EXCELS AT

- ✓ Communication;
- ✓ Problem solving;
- ✓ Work ethics;
- ✓ Creative thinking;
- ✓ Team building and collaborative success

ALEX YANG

Automation Engineer

WORK HISTORY

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

Staff Augmentation at Genentech and Gilead.

Highlights: Leading tech transfers projects to retrofit the existing automation systems for the introduction of new drugs

Leveraging the S88 batch process model to perform code improvement reducing complexity, maintainability and performance.

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

Highlights: Leading the integrations of new equipment to the control system. Investigating Profibus, Fieldbus, DeviceNet connections in support during the commissioning process; code review, redesign, and implementation for best performance, while ensuring maintainability for future code improvements.

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

Highlights: Operation support in Canadian oil sand refinery; collaborating with engineers, operators, and maintenance department for troubleshooting of control system and instrumentation; performing root cause analysis, and implementing code changes to the system with minimal down time and no production impact;

TECHNICAL SKILLS

Automation Engineering | Specializing in DeltaV DCS, SIS

- Control strategy;
- HMI Development;
- Asset management system;
- Modern and novel industrial communication protocol.

Software Engineering | Alumni of Harvard Extension School Coding Bootcamp

- Hands on experience with more than ten modern programming languages ranging from web, mobile to firmware development; most proficient in JavaScript and full stack web technology with experience in both relational (SQL) and document (MongoDB) databases;
- Transferable agile project development process drawn from the software industry.

SUMMARY:

1. Extensive project management experience;
2. Highly experienced in control strategy design, implementation, problem investigation;
3. Years of experience in the pharmaceutical and energy industry, leveraging S88 batch process.