PROFILE

Automation engineer, with a strong software design and development background and entrepreneurial spirit that goes above and beyond integrity, accountability, and affinity for innovation. A track record of success in leading, collaborating automation solutions using a plethora of tools and processes spamming the traditional industry, while leveraging the transferrable skillsets in DevOps, agile development cycle and product management. Highly experienced in utilizing effective communication contributing in cross-functional teams to achieve the upmost efficiency, quality, and on-time project delivery. And consistently striving for excellence as his principal core value.

CONTACT

DM on LinkedIn

WEBSITE:
www.linkedin.com/in/alexjzyang
resume.alexyang.website

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 Present, Oceanside, CA

Highlights: Staff augmentation in the pharmaceutical industry, utilizing S88 principle and GMP process; with projects involving new product introduction, code improvement and deployment; full automation development cycle, from P&ID to commissioning and qualification.

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

Highlights: Staff augmentation in pharmaceutical manufacturing; projects on new equipment introduction; code improvement and redesign; operation support, troubleshooting, deviation analysis and resolution.

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

Highlights: Operation support in the energy industry; collaborating with engineers, operators, and maintenance personnel software, hardware and instrumentation troubleshooting; performing root cause analysis, and implementing changes with minimal production impact;

TECHNICAL SKILLS

Automation Engineering|Specializing in DeltaV DCS, SIS
- Control strategy;
- HMI graphics;
- Asset management system;
- Various industrial communication protocols: Foundation Fieldbus; Profibus; Conventional I/O; HART and other DeltaV hardware supported protocols. With additions to pulling (OPC) and event trigger-based (MQTT, websocket) protocols; as well as low level electronics protocols (bits, words, page read/write).

Software Engineering | Alumni of Harvard Extension School Coding Bootcamp
- Primary programming language in JavaScript, its variants, frameworks, and libraries;
- Advanced expertise (most relevant) in
  - JavaScript; Python; MySQL/MongoDB (both relational and document based) databases; HTML/CSS; VBA;
- In depth experience in (=>) dozen programming languages, with applications ranging from web/mobile development, database, data science, cloud applications, firmware design;
- Software architecture, design patterns, coding philosophy and guidelines.

Summary:

1. Extensive knowledge in control strategy design, implementation and troubleshooting;
2. Leveraging software engineering principle and programming paradigm to create reusable code base, in order to drastically improve maintainability and future project efficiency, directly resulting in significant cost savings;
3. Using innovative solution and, transferrable, cross-industry project management approach to drive business and operational results.