

I am a computationally minded hands-on, mechanically and technically oriented person looking for a position that will give me room to grow. I have experience working in the instrumentation and controls for oil and gas, chemical manufacturing/ refining and regulatory industries. I am an analytical problem solver who enjoys a challenge to test my varied skill set learned through a diverse working history, and supported by bachelor's degrees in electronics engineering, analytical chemistry and structural geology.

Education

DeVry University, Greenwood Village, Colorado 2013

- Bachelors of Science, Electronics Engineering and Technology
Specialization in sensors and control systems

Adams State University, Alamosa, Colorado 2002

- Bachelors of Science, Chemistry with specialization in analytical instrumentation methods
- Bachelors of Arts, Geology with specialization in environmental geochemistry and structures

Professional Experience

Control System Engineer: Current Title: Senior Control System Engineer 10 Years

I have worked in multiple industries performing a multitude of professional engineering activities. These activities include concept, design, documentation, construction, commissioning, operations and retrofitting in multiple industries. These industries include Mining, Oil & Gas, Batch Manufacturing, Bio-fuels, Water, Waste Water, and Power Monitoring. Through this I have learned how to select Instrumentation, Control Systems design and Program, and use and implementation of SCADA platforms.

Applications Engineer: Last Title: Staff Applications Engineer 4 Years

I have created several programs that utilize modern programming languages including. These commercially ready programs have specialized markets where they were designed to bridge industrial networks with considerable success. Most of these programs have been designed for limited resource single board and IIOT devices for operations in the field. These systems were created utilizing communications for email and SMS alarming, data management and limited system control.

Analytical and Environmental Chemist: Last Title: Project Manager 10 Years

In this previous life I successfully operated analytical instrumentation of many types. This lead me to become part of several clean-up operations and even Hazardous Waste Management. I specialized in chemical fingerprinting and EPA regulations. During this endeavor I learned how to install, operate, maintain, and manage analytical instruments. Manage a large quantity hazardous waste generator and a staff required to operate the facility. Eventually leading me to engineering of electronics, my own analyzers, and programming.

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Personal site: https://clemansta.github.io/Portfolio_Site/