

CHEMICAL ENGINEER JUAN ALEJANDRO  
COLEGIO MEDINA

PERSONAL INFORMATION



GOAL

Fulfill the expectations and needs of the company, applying my knowledge in order to achieve constant professional progress.

HABILITIES

A Chemical Engineer graduated from the Universidad Autónoma de Nuevo León. A human being proactive, capable, analytic, with good principles; a thankful son, a friend and a man of word.

PROFESIONAL EXPERIENCE

▪ **TECNOLOGÍA APLICADA A PROCESOS INDUSTRIALES S.A. DE C.V.**

Monterrey, Nuevo León, C.P. 64930, México

Period: Aug 2015 - Present

Job Position: Chief Technical Officer

Activities: Technology and design improvement and coordination of special projects. Business development and special studies. Financial services.

▪ **TECNOLOGÍA APLICADA A PROCESOS INDUSTRIALES S.A. DE C.V.**

Monterrey, Nuevo León, C.P. 64930, México

Period: Aug 2013 - Aug 2015

Job Position: Chief Operations Officer

Activities: Project execution, personnel management, customer service. Involved in design, fabrication, installation, commissioning and starting up processes.

▪ **INGENIERÍA Y TECNOLOGÍA DE PROCESO INDUSTRIALES S.C.**

Monterrey, Nuevo León, C.P. 64930, México

Period: June 2011 - Aug 2013

Job Position: Project Engineer (Process / Mechanic)

Activities: Development of detail engineering. Design of pressurized tanks. Design of heat exchangers. Preparation of proposals for Engineering and equipment manufacturing. Revision of mechanical diagrams and equipment technical specifications.

▪ **SECODISA S.A. DE C.V.**

(Engineering General Manager)

Period: May 2008 - June 2011

Job Position: Project Engineer (Process / Mechanic)

Activities: Development of detail engineering. Design of pressurized tanks. Design of heat exchangers. Preparation of proposals for Engineering and equipment manufacturing. Revision of mechanical diagrams and equipment technical specifications.

■ **PEÑOLES Química Del Rey, S.A. de C.V.**

[REDACTED]  
(Process and Technical General Manager).

Period: May-December 2008

Job Position: Project Engineer (Process Area)

Activities: Development of conceptual engineering. Design of pumping systems. Energy and mass balances. Process Flow and balance diagrams. Development of conceptual engineering documents. Picked data from the field of operation.

■ **SECODISA S.A. DE C.V.**

[REDACTED]  
(Process Area Manager).

Period: June 2007 – May 2008

Job Position: Engineer Department assistant.

Activities: Specification of data sheets for process equipments. Specification of pumps. Revision and correction of flow process diagrams and P&ID. Design of pressurized tanks.

■ **CELAES S.C.O. Universidad Autónoma de Nuevo León**

[REDACTED]  
Period: June 2006 - February 2007

Job Position: Pyrolysis of waste material Assistant.

Activities: Support the realization of waste pyrolysis. Analyze the experimental results. Documentation for experimental test. Studies for industrial scaling.

## **EDUCATION**

---

-Facultad de Ciencias Químicas at U.A.N.L – 2003-2007  
Chemical Engineer with University Degree

-High School No. 6, Universidad Autónoma de Nuevo León.

## **OTHER COURSES**

---

- "Seminario Profesional de Ventas y Negociación", Instituto Superior de Ventas y Negociación, May 2010
- "Empowerment", SECODISA Headquarters, March 2009
- "Administración Total de Calidad", SECODISA Headquarters, February 2009
- "Seguridad Industrial", PEÑOLES, Química del Rey, July 2008
- "Curso de Inglés Nivel 3", Centro de Idiomas Normal Superior, March-May 2008
- "Reunión Estudiantil SEIMIQ", Fac. Ciencias Químicas UANL, February 2008
- "Congreso de Ingeniería Química 2007", Magna Library UANL, October 2007
- "Congreso Fusión IQ", Magna Library UANL, 2005
- "Curso de Inglés UPPER INTERMEDIATE", CAADI UANL, February-June 2004
- "Curso de Inglés INTERMEDIATE", CAADI UANL, August-December 2003
- "Congreso de Ingeniería Química 2003", November 2003



## **OTHER KNOWLEDGE**

---

Manejo de: Excel, Word, Power Point, Outlook, Visio, Ambiente Microsoft Windows, Navegación de Internet, Aspen Plus, Aspen Hysys, Aspen, Aspen EDR, ASPEN ACCE, Fortran, Matlab, Adobe Reader, Microsoft Project, Autocad, PVelite, Tank, Compress, Caesar II, Algor PIPEPAK, HTRI, SkyCiv, E-Tank, Pump Flo.

Sección VIII División 1 del Código ASME, de los Códigos B31.3 y 31.5 de tuberías.

## **LANGUAGES**

---

Spanish: Natural Language.

English: Read: 95%, Written 95%, Spoken: 80% (Studying)