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# CHEMICAL ENGINEER RESUME

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## Summary:

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A scientists and an expert in chemistry who is in charge of producing chemicals and other compounds that require chemical processing; continuously utilizes the theories and laws of chemistry to develop industrial-grade and commercial-grade chemicals; did research and experiments in the laboratory; conceptualizes combination of compounds and elements to reproduce new lines and a wider variety of goods; has developed cyclical processes that make it possible to bring such products to consumers; has good analytical background on basic mechanical and electrical engineering concepts

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## Professional Experience:

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Chemical Engineer – Research and Development January 2007 – Present  
Armadillo Metallworks, Inc., Albany, NY

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## Responsibilities:

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- Handled production of polymer materials and performed strategies leading to more environmentally-sustainable products.
- Identified and selected bio-derived materials in the development of medical compounds.
- Coordinated the QA testing of compounds with the use of materials and metrics leading to interactions with potential wholesalers.
- Evaluated feasibility and sustainability of innovative technologies.
- Collated results of experiments and interpreted data, developed intellectual property rights patents.
- Reported research progress to management.
- Initiated experimental programs that led to improvement of existing technologies in support of the company's products.

Production engineer – Chemical May 2004 – December 2006  
Pearce Engineering, Limited, Albany, NY

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## Responsibilities:

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- Defined and created manufacturing procedures, process flow and specifications.
- Introduced new products to be put in production within an existing engineering environment.
- Designed production tooling & qualification tests.
- Gave technical work instructions to team
- Handled production issues by assisting production assembly and test engineers.
- Trained technicians regarding proper troubleshooting techniques on electro-mechanical systems and applications.
- Evaluated, disposed failed parts and analyzed reports from suppliers.
- Tested accuracy of results to determine if the parts, assemblies, or modules meet contamination requirements.

Reliability Engineer-Chemical Plant February 1999 – May 2004  
CE Power Solutions, Albany, NY

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Production engineer – Chemical May 2004 – December 2006  
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## Education:

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Masters Degree in Energy Engineering, University of Iowa, IA, 1999  
Bachelors Degree in Chemical Engineering, Rockefeller University, NY, 1997

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## **Skills:**

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- Computer Literate
- Excellent communication skills
- Business-driven and savvy
- Excellent management and organizational skills
- Exceptional leadership skills
- Knowledge in petroleum and various chemicals

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## **Awards and Affiliations:**

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American Chemical Society, Member  
American Institute of Chemical Engineers, Member

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