

Product Development Engineer (Consultant)

ROBERT SMITH

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Objective

Energetic chemical engineer experienced in developing, designing, and improving new or existing products and processes. Research scientist with an emphasis on materials properties, alternatives and comparisons. Creative and dynamic resource for product and process knowledge resulting in practical solutions. Technical professional with a focus on coordinating activities with a variety of people and departments to achieve mutual goals.

Skills

Computer Programming: LabVIEW, MATLAB, C, C++, Visual C, .NET, Python.

Work Experience

Product Development Engineer (Consultant)

Ballard Fuel Cell Systems - April 2014 - 2019

- Design and develop test fixtures using 3D CAD software.
- Design and assemble electromechanical systems for data acquisition and control.
- Develop Labview software to monitor and control fuel processing systems for Hydrogen generation in Fuel Cells.
- Completed design, construction, and commission of a fuel cell reformer test stand to increase capacity and capability.
- Increased test capacity by 50% for fuel cell reformer development.
- Skills Used Labview programming and 3D CAD design skills.
- Applied Electromechanical assembly and data acquisition skills.

Product Development Engineer

ABC Corporation - 2010 - 2014

- Worked in Device Validation on Schlumberger S9000 Tester.
- Worked with Schlumberger software team to improve their software and fix bugs.
- Mainly wrote in C Language.
- Developed tools to validate Silicon for Intel lead product for new fab process.
- Also helped in speed path and Silicon debug.
- Designed Test Interface Unit (TIU) for new products.
- Used Oscilloscope, analyzers, and other debug tools..

Education

BS in Mechanical Engineering - 2005(University of Maryland - College Park, MD)