

Ibrahim Beydoun

Mechanical Engineer

Trenton, NJ - Email me on Indeed: [indeed.com/r/Ibrahim-Beydoun/4e69554cbcab4c2](https://www.indeed.com/r/Ibrahim-Beydoun/4e69554cbcab4c2)

Career in an engineering position

Willing to relocate: Anywhere

Authorized to work in the US for any employer

WORK EXPERIENCE

Product Engineer

HUMANSIZE CORPORATION - Piscataway, NJ - June 2015 to September 2015

- Create special order requests in oracle for custom office furniture equipment.
- Create Bill of materials, and work instructions in oracle for factory line production.
- Create 3D assemblies and 2D drawings of products in solid works
- Resolve production line issues, quality issues, and manufacturing issues.

Product Development Engineer(Contract)

G-Tech (General Motors) - Warren, MI - July 2013 to February 2015

- Responsible for design and release of upper body structure (sheet metal steel parts and assemblies) and closures on new Cadillac vehicle launch (A1LL, A1BL, A1SL) platforms.
- Utilize Teamcenter, NX, Vismockup, E-squared, part finder and other GM software to design, release, and validate components from concept, prototype and launch.
- Create and implement material cost reduction ideas for current programs and upcoming ones.
- Update DFMEA's, DFM, DVP&R, create bill of materials, resolve quality issues, CAE issues, formability issues, execute engineering change orders.
- Work with suppliers to create cost quotes, tooling quotes, change orders of components that are made from the supplier and not GM
- Work with manufacturing, cross functional groups, plant, and suppliers to support vehicle launch and key dates.

Product Development Engineer(Contractor)

Millenium Software(Ford Motor Company) - Dearborn, MI - February 2012 to June 2013

- Design and release of body structure assemblies, exterior and closures (sheet metal parts- aluminum) on new vehicle truck programs (2015 F-150)
- Utilize Ford software's such as Teamcenter, Catia V5, Wers, and other ford programs for proper project management and release of assemblies from cradle to product launch.
- Implement cost reduction ideas to optimize cost and weight for truck programs
- Keep track of weld information sheets of joints such as aluminum welds, clinches, rivets and make sure they are up to date on vehicle structure.
- Create engineering work orders, bill of materials, update DFMEA's , create DFM's , resolve quality issues, CAE issues, formability issues, weld issues, quality issues, manufacturing issues, and other build issues.

Product Development Engineer(Contractor)

Bartech Group (Chrysler) - Auburn Hills, MI - May 2011 to February 2012

- Design and release of body structure assemblies, exterior and closures (sheet metal parts- steel) on 2015 jeep Cherokee program and alpha romeo

- Utilize Chrysler software's such as Teamcenter, NX, Chrysler mainframe, Vis Mockup, for proper project management and release of assemblies from cradle to product launch.
- Create engineering work orders, bill of materials, update DFMEA's , create DFM's , resolve quality issues, CAE issues, formability issues, weld issues, quality issues, manufacturing issues, and other build issues.
- Work with suppliers to create tooling quotes, and schedule release of parts not built by Chrysler

Manufacturing Process Engineer (Contractor)

Arnold Hanafin(Sikorsky Aircraft) - Stratford, CT - May 2010 to February 2011

- Create manufacturing processes, bill of materials, and manufacturing planning instructions for system installations (fuel line, hydraulic lines) and assemblies on new military helicopter programs.
- Utilize solumina, Catia V5, Deep exploration, and other software's to create manufacturing models to assist shop floor mechanics for proper and efficient manufacturing assembly and installations.
- Assist in cad design using solid works and Catia for aircraft components such as brackets and structure components.

Manufacturing Engineer (Contractor)

Abramson (Gulfstream Aerospace) - Savannah, GA - October 2008 to January 2010

- Create manufacturing processes, bill of materials, and manufacturing planning instructions for system installations, and assemblies on Gulfstream G-650 jet
- Utilize solumina, Catia V5, Deep exploration, and other software's to create manufacturing models to assist shop floor mechanics for proper and efficient manufacturing assembly and installations.
- Assist in cad design using solid works and Catia for aircraft components such as brackets and structure components.

EDUCATION

Master of Science in Project Management(Online)

University of Michigan-Dearborn - Dearborn, MI
2016 to 2018

Master of Science in Mechanical Engineering

University of Michigan - Dearborn, MI
2004 to 2005

Bachelor of Science in Mechanical Engineering

University of Michigan - Dearborn, MI
2001 to 2003

SKILLS

Catia (2 years), NX (2 years), Solidworks (1 year), Teamcenter (3 years)

CERTIFICATIONS

Engineer In Training (EIT)

December 2007 to December 2025
State of Nevada
Certificate #: OT5481

Six Sigma Green Belt

January 2015 to December 2025
General Motors

ADDITIONAL INFORMATION

- 6 years of engineering experience
- 4 years of product development experience in the automotive industry (GM, Ford Chrysler)
- 2 years of Manufacturing engineering experience in the aerospace industry (Sikorsky, Gulfstream)
- Project engineering experience and project management experience.
- 2 years of CAD experience with Catia V5, NX, and Solid works. 4 years of Teamcenter experience
- Body structure experience, closures, exteriors (Steel and Aluminum) design and release
- Experienced with Assembly, components, manufacturing planning, Prototype and production.
- Experience with Bill of materials, engineering change management, cost optimization, quality
- Experienced with PPAP, DFMEA, DFM