Jefferson F. Castulo

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Summary

Electrical Engineering Graduate with 10 years of experience in Product Design and Process Engineering. Specializes in Quality Improvement, Cost Reduction, Project Management as well as Quality Management System.

I am well versed using Auto CAD and Solid edge, with knowledge in Inventor, Solid works, Catia and BOcad design.

I also have basic knowledge and experience in mold/die process in manufacturing industry. 1 year experience in jig and fixture design for manufacturing purposes.

WORK & PERSONAL

- PC operation and troubleshooting (hardware and software)
- Can do create program in MS excel using VBA.
- Develop and create a page in MS sharepoint.
- Able to communicate and read in English
- Can lead and manage a team.

Professional Experiences

Project Engineer
(May2023-Present)
Newvinco Engineering Pte. Ltd.

- Maintain updated records of all approved documents and drawings.
- Monitor site progress and site meeting coordination.
- Attend site meetings and address if any technical queries from client.
- Witness contractor's testing and commissioning result and confirm compliance.
- Handle project administration and documentation works.

Product Development Engineer
(May2022-Feb2023)
Sanden Cold Chain System Philippines

- Product Development/Supplier development
- Product Improvement
- Reengineers existing products as required.
- Product Specification Compilations.
- Maintains and updates existing drawings.
- Generate VBA program using Excel file.
- Formulate product specifications and update it as and when required.

Design Coordinator / Jr. Design Engineer
(Feb2022-June2022)
FV Junio + Partners, Architect & Engineers

- Design coordination
- Create a drawing as require by client.
- Prepare weekly reports
- Coordinates with the project manager from Korea and coordination with local partners.
- Prepare and update project data base for every approved project.
- Interpreting project briefs and meeting with clients, engineers, and architects to ensure all blueprints and technical drawings are completed to specifications.
- Producing rough sketches and using CAD software to prepare detailed drawings, plans, and blueprints.
- Visiting sites to gather information, and determine limitations and feasibility of designs.
- Updating software, drawings, and other documents.
- Remaining professional when feedback is delivered, and implementing any changes to drafts as soon as possible.
- Ensuring drawings are compliant with building regulations and engineering principles.
- Project done: Plant 3, RTO building Semphil Samsung Philippines.

Product Engineer
April 2015 – Feb 2022
Concepcion Durables Inc.
Current Product Engineering Department
LISP 1 Main Ave., Cor. Diode St. Bo. Diezmo, Cabuyao, Laguna

Duties and responsibilities:

- Work with drafting personnel on the product detailed layout, parts specification, Bills of Material and detailed prints.
- Interpret and analyses test data and make revision of products as required to comply with performance and safety requirements and standards.
- Develop test methods, procedures and instrumentation, administer and carry out these test programs
- with lab technicians and team's engineers.
- Interpret, analyses test data to perform root cause analysis and improve corrective action.
- Suggest new product ideas and maintain records for potentially patentable ideas.
- Participate in annual reviews with the departmental managers whenever the performance of a team member is evaluated.
- To work with the plant manufacturing engineering teams, commodity managers, lab supervisors, product engineers and with directors of product compliance to ensure efficient resolutions to any issues. Also provide technical assistance and information to other departments.
- Formulate product specifications and update it as and when required.
- Keep abreast of government requirements and work with product managers and area sales offices.
- Assign and supervise tasks within project team members in order to efficiently complete a project. The engineers also track and organize progress of particular tasks that are critical to the projects.
- Report status of active projects, engineering change orders and change requests.
- Develop, update and maintain DFMEAs and help in the development of PFMEAs and the process control plans.
- Design and develop product component parts, product sub-assemblies and product complete assemblies according to the industrial standards.
- Organize and assign Engineering Change work within project team as assigned by the chief engineers.
- Translating the functional, aesthetics and commercial product design requirements into technical concepts and solution.
- Safeguard product performance, reliability, quality, functionality as well as manoeuvrability.

Design and Costing Engineer
May 2013 – Mar. 2015
SSI SCHAEFER SYSTEM PHILIPPINES INC
Design Engineering Department
Unit 1903 19th floor, Hanston Bldg. #17 San Miguel Ave, Ortigas Center, Pasig City Philippines 1605

Duties and Responsibilities

- Reviews Technical drawings/specifications for new model and/or model design change
- Design steel connection for Racking system, create layout & detail drawing for manufacturing process.
- Prepare update BOM for costing purposes.
- Coordinates with the sales managers and other designers in affiliated countries regarding the usage of produce drawing and documents.
- Prepare and update project data base for every approved project.

Engineering Assistant
May 2011 – May 2013
Concepcion Durables Inc.
Innovation and Design Engineering Department
LISP 1 Main Ave., Cor. Diode St. Bo. Diezmo, Cabuyao, Laguna

Duties and responsibilities:

- Design, Revised current and new product for production of refrigerator.
- Design improvement for a wire harness and system of refrigerator.
- Coordinate with suppliers regarding on development for new and current products
- Coordinate with Tool & Die, QA and process engineers for testing of development for new products.

DESIGN ENGINEER 1
March 8, 2010- April 18, 2011
PHILIPPINE AUTO COMPONENTS, INC. – DENSO
109 Unity Avenue, Carmelray Industrial Park 1 4037 Canlubang, Calamba City, Laguna

Duties and responsibilities:

- Design, set up, fine tuning and checking of machines, jigs and fixtures for production use in the manufacture of air condition system, fuel pump, instrument clusters and others.
- Design, set-up of wiring harness for jigs and machines for production use.
- Coordinates with the engineers and production staffs regarding the usage of all jigs and fixture if requires modification in order to be more productive and effective
- Design improvement and modification of jigs and fixture currently used in production line
- Engineering support for local machine, jig and tooling development for new product
- Prepare PR, coordinate the status/development of jigs to purchasing dept. and/or supplier to update the schedule
- Prepare and update monthly work plan
- Prepare design and other man-hour for cost analysis
- Jig/machine repair, improvement and modification before mass production
- Observes 5'S as well as SAFETY within the working area

EDUCATION

BACHELOR OF SCIENCE IN ELECTRICAL ENGINEERING
UNIVERSITY OF PERPETUAL HELP SYSTEM - DALTA
ELECTRICAL ENGINEERING – PRESIDENT (2003-2009)

HIGH SCHOOL
KAPAYAPAAN NATIONAL HIGH SCHOOL (1999-2003)

SKILLS

Measuring tools:

- Caliper, Micro meter, Height gauge, Steel rule, Meter tape & etc.
- Multi tester, clamp meter.

CAD Software

- AutoCAD
- Solid edge
- Inventor
- BOCAD design (Structural design)
- Solidworks
- Catia
- Autodesk Revit

Other Software

- MS Excel Macro VBA
- Work Force Management
- Database Management
- MS office application

Character References

Engr. Gertrudo Alcantara
Current Product Engineering Sr. Manager
Concepcion Durables Inc.
LISP 1 Main Ave., Cor. Diode St. Bo. Diezmo, Cabuyao , Laguna

Engr. Trifona Mamaradlo
Current Product Engineering Manger
Concepcion Durables Inc.
LISP 1 Main Ave., Cor. Diode St. Bo. Diezmo, Cabuyao , Laguna

Dexter Medina
Sr. Design Engineer
Philippine Auto Components
109 Unity ave. Carmelray I Calamba City, Laguna

I hereby certify that all details and information stated above are true and correct.

Jefferson F. Castulo