

RODEL R. ESTIRA



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-  Blk 40 Lt 49 Phase 1, San Lorenzo
South Subd., Malitlit, Santa Rosa,
Laguna

PROFILE

Accomplished and energetic Mechanical Design Engineer with a solid history of achievement in Product Research and Development. Areas of expertise include Product and Mechanical Part Design, CAD Data and Product Lifecycle Management.

SKILLS & ATTRIBUTES

- Sheet Metal Design
- Injection Molded Plastic Design
- Diecast Design
- Tolerance Stack Up Analysis
- NX/Unigraphics
- Pro/Engineer Creo
- SolidWorks
- Alibre Design Expert
- Corel Draw
- Adobe Acrobat
- Teamcenter
- Windchill PDMLink
- SolidWorks PDM
- Enovia PLM Merlin
- MS Windows
- 3DCS Variation Analysis
- Minitab

SUMMARY OF QUALIFICATIONS

- Over 20 years of combine research and development, and manufacturing experience.
- Over 18 years of experience in product design environment
- Can work under pressure with limited resources and adapt to time-sensitive and dynamic environment.
- Work with sense of urgency and ownership
- Self-motivated, productive, committed and able to work in a fast-paced environment.
- Excellent ability of drafting/drawing, using CAD software
- Team-Oriented with experience on working in a multi-cultural environment.
- Willing to learn new skills to further enhance capabilities and competencies as a design engineer.
- Adaptable and flexible in dynamic work environments.
- Skilled at generating innovative ideas and practical solutions.

EDUCATION

TERTIARY EDUCATION

Saint Louis University
Bachelor of Science in Electronics and
Communications Engineering
Baguio City, Philippines
1996 - 2001

WORK EXPERIENCE

LEAD MECHANICAL DESIGN ENGINEER

DYSON ELECTRONICS PTE LTD – Philippines Branch

www.dyson.com

Calamba, Laguna, Philippines

9. 2021 – PRESENT

- Work with global RDD team for realization of new Dyson Hyperdimium motor technology research into the final production design, ensuring product performance, reliability and cost expectations are met.
- Used established Dyson Methodology, to deliver robust solutions in agreed timeframe, such as but not limited to Tolerance Stack Analysis, Process Capability (Cpk), DFMEA, Minitab, etc.
- Perform hands-on approach in motor build prototyping.
- Deliver and maintain design documentations such as drawings, Bill of Materials, limit test reports timely.
- Communicate between all relevant teams to ensure effective and timely input- these maybe external as well as internal team.
- Manage sub-project tasks assigned, with ability to hold technical discussion with external and internal cross functional team.
- Liase with our in-house manufacturing team for engineering evaluations or special builds.
- Mentor Graduates/new team members & day-to-day management.

CAD DESIGNER III

JOHNSTECH INTERNATIONAL PHILIPPINES CORP.

www.johnstechphilippines.com

Binan, Laguna, Philippines

10. 2018 – 9.2021

- Layout/Conceptualize/Design high difficulty contactor designs, accessories and other mechanical devices using CAD on either existing or new products.
- Integrate concepts with manufacturing requirements to produce functional parts.
- Assist engineering and research personnel in prototype development and test.
- Recommend product improvements and enhancements for improving methods/workflow through the department.

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SENIOR MECHANICAL DESIGN ENGINEER

SKYWARE TECHNOLOGIES ASIA, INC.

www.skywaretechnologies.com

Cabuyao, Laguna, Philippines

03. 2017 – 10.2018

- Development of precision mechanical components from concept to detailed design.
- Design and validation of platforms and enclosures using following technologies: die-casting (Al, Zn, Mg), CNC machining, injection moulding, cold/hot forming, stamping, weather sealing, passivation and coating.
- Efficient integration of PCBAs into mechanical enclosures
- Mechanical design of product prototypes and engineering samples.
- Supporting the transition from prototypes into mass production.
- Product cost awareness
- Interaction with vendors and toolmakers

ENGINEER IV – DESIGN

B/E Aerospace B.V. Phil. Branch

www.beaerospace.com

Tanauan Batangas, Philippines

05. 2016 – 03.2017

- Design and analysis of the construction and use of equipment parts for aircraft cabin interiors
- Provides technical leadership and guidance to lower level designers/drafters
- Provides support for the sustainability and airworthiness of galley inserts

PROJECTS INVOLVED / SUPPORTED:

- Beverage Maker / Coffee Maker Products.

SENIOR MECHANICAL DESIGN ENGINEER

National Cash Register Cebu Development Center, Inc.

www.ncr.com

Cebu City, Philippines

10. 2009 – 05. 2016

- Design and documentation of Injection Molded Plastic parts, Sheet Metal parts and Machined Metal parts.
- Performs Tolerance Analysis and FEA
- Creates Engineering Bill of Materials
- Design Review Participation
- Provide Cost Estimates (Labor, Material) for new product
- Performs Trade Studies/Benchmarking to determine optimal product solution
- Drive and support Cost Reduction efforts

PROJECTS INVOLVED / SUPPORTED:

- 6642 ATM
- FK1 – Financial Kiosk
- NCR Financial and Retail Printers

PRODUCT DESIGN SUPERVISOR

3C Distributors International, Inc.

www.nikonappliances.com

Valenzuela City, Philippines

08. 2008 – 07. 2009

- Creates Plastic and Metal parts Design for Electric Fans, Blenders, and other Home Appliance products.
- In-charge in the Design Improvements of existing products
- Creates artwork designs for Packaging, Silkscreen, Pad printing, Stickers/Labels, Nameplates and Manuals
- Performs other duties that may assigned by superior

PROJECTS INVOLVED / SUPPORTED:

- Electric Fan Parts
- Water Dispenser
- Air Cooler – Concept

ENGINEERING SUPERVISOR

Middleby Philippines Corporation

www.middleby.com

Binan, Laguna, Philippines

08.2007 – 06.2008

- Supervise and provides technical guidance to Design Engineers and R&D Technicians, specifically on the Design of Sheet Metal parts of Conveyor Ovens, Countertop Ranges, Griddles, and other industrial kitchen equipment.
- Monitors Project Schedules
- Prepares Estimates/Quotations
- Attend Site Meetings and Verifications

PROJECTS INVOLVED / SUPPORTED:

- Various local and overseas commercial kitchen equipment projects

CAD DESIGN ENGINEER

Sylora Systems, Inc.

Makati City, Philippines

07.2006 – 08.2007

- Responsible for hands-on conceptual Mechanical Design, Design Verification, Details Design and Prototype Integration
- Manage / Liaise with Suppliers and Prototype Makers to fabricate prototypes.
- Work closely and Manage Suppliers during Product Development Cycle

PROJECTS INVOLVED / SUPPORTED:

- Acura NSX Speaker
- Scroll Note

RESEARCH AND DEVELOPMENT ENGINEER

Maxon Systems (Phils.), Inc.

Rosario, Cavite, Philippines

11.2004 – 06.2006

- Mechanical Design (Plastic parts, Sheet Metals, Keypads, etc.) and Product Development from Conceptualization, Initial Design, to Prototyping
- Create Drawings and Parts Specifications for production and vendor reference
- Responsible for Qualification of new parts / items
- Work closely with internal Cross-Functional Teams to ensure that parts / items conform to the specifications
- Implement Engineering Change Order
- Conduct Supplier Audits and Meetings to ensure that parts / items are met with the required specifications

PROJECTS INVOLVED / SUPPORTED:

- PLDT corded Phone
- Wireless Headset
- Cordless Phone

PROCESS ENGINEER

Sammi Industries Philippines, Inc.

Rosario, Cavite, Philippines

10.2003 – 10.2004

- Responsible for Process Development activities of new and current products
 - Injection Moulding to Printing Department
- Supervise the Preventive and Corrective actions for any non-conforming product and process - Injection Moulding Printing Department
- Conduct Internal Quality Audit - Injection Moulding to Printing Department
- Create and Design of Art Works for Printing Department

PROJECTS INVOLVED / SUPPORTED:

- APC UPS and Surge Protector plastic parts
- Radix Satellite Detector and Receiver plastic parts

OVERSEAS ASSIGNMENTS/TRAININGS

JOHNSTECH INTERNATIONAL CORPORATION

1210 New Brighton Blvd, Minneapolis, MN 55413 USA

- **Product Design Training - LEADED ROL100/200**

10.10.2019 – 10.25.2019

JOHNSTECH INTERNATIONAL CORPORATION

1210 New Brighton Blvd, Minneapolis, MN 55413 USA

- **Product Design Training - PAD ROL200**

06.03.2019 – 06.20.2019

JOHNSTECH INTERNATIONAL CORPORATION

1210 New Brighton Blvd, Minneapolis, MN 55413 USA

- **Product Design Training - PAD ROL100A**

03.01.2019 – 03.15.2019

JOHNSTECH INTERNATIONAL CORPORATION

1210 New Brighton Blvd, Minneapolis, MN 55413 USA

- **Overview on Johnstech Products**
- **Overview on D&D procedures and tools.**

10.27.2018 – 11.15.2018

NCR CORPORATION

2651 Satellite Blvd, Duluth, Georgia 30096 USA

- **Training on NCR Retail Printer Utilities and Functionalities**
- **Attended weekly SRT/Engineering meetings**
- **Resolve printer field issues**

03.2015 – 05.2015

NCR CORPORATION

Discovery Centre, 3 Fulton Rd, Dundee, Angus DD2 4SW, Scotland, United Kingdom

- **Overview on ATM machines**
- **Training on NCR Financial Printer Utilities and Functionalities**
- **Participate in CRVE and Brainstorming Activities**
- **Resolve printer field issues**
- **Attended Continuous Improvement Yellow Belt Training**
- **Attended PTC (Pro/Engineer and PDMLink) Training**

05.2011 – 09.2011

PERSONAL INFORMATION

DATE OF BIRTH: January 22, 1979

AGE: 44

NICKNAME: Rodel

WEIGHT: 65 kg

HEIGHT: 5'10"

RELIGION: Roman Catholic

MARITAL STATUS: Married, 1 kid

CITIZENSHIP: Filipino

GENDER: Male

SSS: 3380009485

PASSPORT: P8255090A

