

# Alan Rago Tabada

Cebu City, Philippines

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## Professional Profile

A dedicated, creative and highly motivated managerial professional combining over 10 years' experience in plastic case and module design with expertise in consumer electronic devices, including wrist, handheld, sensor-based, Bluetooth-enabled, heart rate monitors, GPS devices and Smartwatches. A strong leader, who combines excellent motivational and management skills with specialist technical knowledge of plastic injection moulding, metal forging, machining and sheet metal stamping processes. A proven track record of delivering product on time and in line with requirements and quality standards, applying FMEA and DFM design methodologies as needed. Forms positive working relationships with all parties, highly adaptable and excels under pressure.

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## Career Summary

### MUSIC GLOBAL SHARED SERVICES INC.

#### Aug 2022 – Apr 2025 Mechanical Engineering Senior Specialist

- Product development of Consumer Electronics including Mixers, Amplifiers, Speakers, Keyboard Synthesizers and Pedals, among others.
  - Design of plastic or metal housings based from artworks provided by the Industrial Design team.
  - Design of complex mechanical and electromechanical components for simulation, feasibility study and manufacturing reference.
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### JABIL CIRCUIT LTD, GUANGZHOU CITY, CHINA

#### Mar 2018 – Jun 2020 Senior Automation Design Engineer – Global Division

- Was instrumental in setting up Tesla workshop's Power Conversion System (PCS) production line. Responsible in the qualification of a series of dispensing machines prior to the start of production. Coordinated with supplier for schedule of machine maintenance.
  - Responsible for the procurement, machine testing, overall qualification of the production line for the Vivint Wallsly project intended for Jabil, Mexico. Automation machines included Pick and place, glue dispensing, heat staking, screw fastening, label application.
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### FAIRLEGEND ELECTRONICS LTD, SHENZHEN CITY, CHINA

#### Jun 2012 – July 2017 Manager – Mechanical Section

- Responsible for overseeing the team of Chinese/ Filipino engineers of the mechanical section with regard to the design of plastic/metal mechanical parts for consumer electronic products, wrist devices and HRM
- Conducting comprehensive reviews of ID artworks regarding feasibility prior to proceeding with the project development
- Creating 3D models of plastic and metal case components, module housings and components using UGNX2/NX4 for customer-based on artworks or CAD surface references

- Producing in depth and accurate proposals for the low cost manufacture of plastic and metal parts
- Setting out and maintaining a schedule for projects to ensure their on time delivery
- Generating ideas through initiating effective brainstorming activities for new designs
- Conducting comprehensive design reviews of all plastic and metal cases and module designs to ensure alignment of aspects with established design standards, best practices and manufacturability
- Liaising closely with the hardware and software team throughout the development phases
- Working effectively with plastics and metal suppliers to gain support and identify optimal solutions for the manufacturability of components
- Resolving various customer technical issues around aesthetics and providing clear visual aids to validate design modifications
- Supervising and/or developing particularly successful projects resulting in significant profits for high profile accounts, including Nike, Adidas, Nixon, Quiksilver, Sigma, Salutron and in house GPS/Smartwatch
- Developed the Z-Smart 1<sup>st</sup> generation Payment Watch with HRM function from ID to production stage.
- Currently developing the 2<sup>nd</sup> generation Payment Watch with HRM function for Z-Smart.

**Aug 2007 – Jun 2012 Assistant Manager – Mechanical Section**

- Overseeing the day to day management of the mechanical section to ensure the achievement of all productivity objectives in line with the highest quality standards and timeframes
- Managing the design of plastic/metal mechanical parts of consumer electronic products and wrist devices for high profile sport and fashion brands
- Carrying out in depth reviews of ID artworks concerning their feasibility prior to continuing with project development

**Mar 2005 – Aug 2007 Senior Mechanical Engineer – Mechanical Section**

- Conducting comprehensive reviews of ID artworks to ensure feasibility before proceeding with project development
- Creating 3D models of plastic and metal case components, module housings and components using UGNX2/NX4 for customers based on artworks or CAD surface references
- Writing detailed proposals for the low cost manufacturability of plastic and metal parts in order to maximise cost efficiency
- Working closely with the hardware and software personnel throughout the development lifecycle
- Proactively contributing to the development of Nike’s women’s watch metal series

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**Earlier Career**

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| <b>Mar 2000 – Feb 2005</b> | <b>LEAR AUTOMOTIVE SERVICES B.V., LAPU-LAPU CITY, PHILIPPINES</b><br>Engineer – Seating & Interior Systems |
| <b>Sep 1999 – Mar 2000</b> | <b>ASAHI OPTICALS INC., LAPU-LAPU CITY, PHILIPPINES</b><br>Production Engineer                             |
| <b>Mar 1995 – Sep 1999</b> | <b>TMX PHILIPPINES INC., LAPU-LAPU CITY, PHILIPPINES</b><br>Case Design Engineer                           |

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**Education and Qualifications**

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| <b>Degree</b> | <b>Bachelor’s Degree in Mechanical Engineering</b><br><i>University of San Jose Recoletos, Cebu City, Philippines</i> |
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**Diploma**

**High School Diploma – Graduated Technical Excellence in Machine Shop**  
*Don Bosco Technical College, Cebu City, Philippines*

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**Key IT Skills**

- Excellent knowledge of UGNX2, UGNX4 (Unigraphics); AutoCAD (2D) and Adobe Illustrator
- Leadership Skills
- Problem Solving Skills
- Electro-Mechanical Design proficiency (3D)
- Time management skills
- Proficient in Microsoft Office including Excel

**REFERENCES:**

- Jimmy Lucas  
Senior Mechanical Engineer – Flextronix, Cebu, Philippines  
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