**POSITION: Mechanical Engineer**

**About Ross Digital / Ratio.inc**: Founded by a team of senior level executives from Fortune 500 companies, our company is an F&B concept powered by robotics & automation. We are on a mission to innovate a new customer experience by offering a variety of beverages. From coffee to nitro tea to cocktails, our innovative robotics will deliver quality drinks with precision and speed. Funded by two of Singapore’s top MNCs and a leading SEA conglomerate, we’ve already built and commercialized our robotic café/bar across China. Now, we’re currently building our Singapore presence.

Due to our rapid development, we’re looking for a strong **Mechanical Engineer** to join the team.

**The Role:** This position is a mid-senior level role based in Singapore; a technical and innovative position working cross-functionally (robotics, IoT, industrial design, IT, digital), including working with our Shanghai R&D team

Your responsibilities include**:**

* Design engineering solutions for mechanical and robotic hardware, electronics enclosures, and production tooling based on established engineering principles
* Develop and implements parameters and test plans for new and existing designs, including validation of tolerances, form/fit/function, safety, reliability, system power measurements & more
* Collaborate and communicates with management, internal, and outsourced development partners regarding design status, project progress, and issue resolution
* Work with a project team of other robotic engineers, F&B operations teams, and outsourced development partners to develop reliable, cost effective and high-quality solutions for F&B IoT automation products
* Represents the mechanical team for all phases of larger and more-complex development projects.

The core requirements we are looking for are as follows:

* Bachelor's or Master's degree in Mechanical Engineering
* >5 years of relevant experience
* Using Creo, Pro/E or other 3D CAD software as a mechanical design tool
* Strong in Design for Manufacturability, Tolerance analysis and DFMEA
* Creative in finding electro-mechanical solutions and ability to design without reference
* Experience in design system that involves thermodynamics and/or fluid dynamics would be advantageous
* Strong analytical and problem-solving skills.
* Strong understanding and experience in mechanical design
* Designing sheet metal and plastic parts and associated production tooling and processes
* Ability to effectively communicate product architectures, design proposals and negotiate options at management levels
* Singaporean and/or PR only
* English and Mandarin communication skills (Required)

**About You:**You are not a cog in the wheel. You want to build stuff that matter. You care about having ownership over your work. You are proud of what you do and create. You don’t care about big company politics; you care about getting stuff done. You want to build the future, now.

You should have excellent interpersonal and communication skills, be able to work within cross-disciplinary teams, have superior technical and innovative ability supported by a broad knowledge and skill base, and a proven track record of successful executions, both as an individual contributor and in team settings.

**Working at Ross Digital:** We value teamwork above individual accolade, we favour talent over experience and as a young company, we cherish a great can-do attitude over all else. At the end of the day, we all own a piece of what we are building together, contributing towards a vision bigger than ourselves. As we grow, we strive to maintain the open culture often associated with startups, each team member is a hands-on contributor to our growth with direct access to the senior team and founder. We pride ourselves on our product quality, creativity, and dedication. If you enjoy the coffee culture, are curious about cocktail creations, and interested in a young company in its “build” stage, then please come and join us! Check us out at [www.ratio.inc](http://www.ratio.inc) !