**POSITION: Robotics 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 **Robotics Engineer** to join the team.

**The Role:** This position is a mid-senior level role with specialty in 6-axis robotic engineering. Based in Singapore, the position is ideally a technical and innovative engineer with the ability to work in cross-functional teams (engineering, industrial design, IT, digital), to include working closely with our Shanghai R&D team.

Your responsibilities include**:**

* Provide robotic technical expertise to help broader team in strategic product decisions
* Facilitate, manage, and provide support to vendors in all automation-related work and more
* Deep dive into 3D mechanical designs in fixtures, grippers, tooling, brackets, etc. for robotic solutions
* Develop control system concepts and architecture according to requirements
* Provide pneumatic architecture to include layouts and schematics
* Provide selection of key robotic components, materials, etc.
* Create Bill of Materials, drawings for manufacturing, QC audit, etc.
* Assemble mechanical concepts, sub-assembly, etc.
* Create and maintain related controlled documentation (logics & functional schematics, state machine, scenarios, sequencing & timing diagrams, acceptance test procedures, technical/operational/maintenance

The core requirements we are looking for are as follows:

* Bachelor’s Degree in Computer Engineering, Mechanical Engineering, or Electrical Engineering
* Minimum 3 years+ in related robotics
* Familiar with robotic applications (e.g., handling, tightening, gripping)
* Familiar with robotics brands such as COMAU, ABB, KUKA, STAUBLI, UR or FANUC
* Familiar with Profilbus、Profinet、DeviceNet、EthernetIP、etc.
* Proficient in Robot programming and robot hardware
* Familiar with PLC
* 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!

You can check out our solution at www.ratio.inc