SENIOR PYTHON SOFTWARE ENGINEER

THE COMPANY

August Robotics is a growing international start-up which builds **robots to automate dirty, dangerous and dull jobs** for businesses. The company is headquartered in Hong Kong and has offices in Germany, USA and mainland China. The company enjoys the support of some of Asia-Pacific's most prolific VC investors: http://tinyurl.com/robotaust.

August Robotics believes in the potential for **humans and robots to collaborate and co-operate**, and aspires to be at the forefront of the coming "robotics revolution". Our first robot, Lionel, was released in 2019 and is already beloved by our customers in the global exhibition industry. We recently released our second robot, Diego, an autonomous disinfection robot, and we are now expanding our team in Hong Kong.

THE ROLE

 As a **Senior Python Engineer**, you will be a senior member of the August Robotics technical team in Shenzhen, entrusted with the responsibility to set the agenda and structure of the work of you and your software colleagues.

You will participate in the **full development life-cycle**, from definition and design to product delivery. You will propose creative software design ideas and work on **every level of the stack** (frontend to backend), from start-to-finish.

Your code will be primarily written in **Python (2.7x and 3.x)**. You will code in an Ubuntu environment.

You will be expected to design, develop, test, maintain and improve software while working in an **agile environment**. You will take ownership of sprints, manage deadlines and deliverables, and keep up to date on new technologies.

The role will be based in August Robotics' office in **Hong Kong**.

YOUR SKILLS

You **must** have:
- **Expert-level programming skills in Python** (and its associated libraries)
- University degree in **Software Engineering, Computer Science, Machine Learning, Robotics Engineering, Information Systems** or a related discipline
- Your University degree should be from a top-tier university in China (MUST be a 985 university, ideally a C9 university) or from a **top-tier university** in Hong Kong or overseas
- Minimum **3-4 years full-time work experience** in a role which required you to write code as part of the delivery of a **commercial software project** or web site
- Experience designing software architecture and **software structure** to meet commercial requirements
- Strong de-bugging skills in Python and Linux
- Ability to **foresee potential issues** before they emerge and take proactive action to avoid them
- Strong ability to proactively **organise, prioritise and structure** the tasks of you and your software colleagues
- Strong communication skills and teamwork capabilities

In addition to the above requirements, ALL of which you must demonstrate to be considered for this role, the following skills are helpful but not required:
- Understanding of **image processing technologies** and related concepts, including image recognition, image analysis, object detection and visualization
- **Full stack** experience
- Familiar with Robotic develop environment and its technology, such as ROS, SLAM.
- Capability in C/C++, Javascript, SQL or Bash.
- Experience with QT or relevant GUI tools or graphic user environment developments (e.g. Django)

You should be **comfortable with ambiguity** and excited by the idea of working in an entrepreneurial culture. You should be **open to new experiences**, open to learning new things, and willing to jump in and lend a hand on a range of different issues and task when the need arises.

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