

## Software Development Lead

Hong Kong (contract based, renewable)

Target Group : graduates with 8 years related working years (~graduated in or before 2012)

### About Insight Robotics

Insight Robotics is looking for an experienced project manager to manage the delivery of different projects in Hong Kong and China. Your responsibilities include oversight of the project from beginning to end including; initial client meeting & proposal generation, vendor and partner management, as well as report generation. It will be your responsibility to ensure that projects are delivered on-time and to the highest possible quality.

### We are looking for

An experienced software guru to lead our development team and serve as the software architect for our solutions. As the ultimate owner of the solution architecture and technical delivery, you will work with a startup mindset, wearing multiple hats from lead architect and developer of the product to technical team leader to solution evangelist ensuring that the development team delivers a world-class quality product on time, within budget and meeting all feature/functional requirements.

### Responsibilities

- Lead a team of Software Developers across all elements of solution design, development, and delivery
- Liaise with product owners, and sometimes clients, to turn the product feature and functional requirements into software deliverables within an agreed timeline and budget
- Drive overall software architecture and designs for company's solutions to meet the company's product requirements
- Interface with and manage vendors and partners to ensure on time delivery of high quality required results
- Manage accountability of team members, with pinpoint focus on quality. Mentor and coach team members to develop product/solution in an efficient and effective way
- Analyse and improve software quality, including scalability, stability and security; Develop different testing procedures to achieve this goal
- Lead a continuous product improvement effort based on both internal product strategy and client feedback / usage data
- On occasion, act as the external product representative and present, explain and pitch the product(s) to clients and partners

### **Qualification and Experience**

- Bachelors degree in Computer Science, Computer Engineering, or Electrical Engineering
- 4+ years experience in a technical management or engineering management role
- 8+ years of experience in hands-on C/C++, Javascript, NodeJS, Python, React, RequireJS and Restful JSON API's
- Experience with Cloud based solution architecture, DevOps, network programming and coroutine-based network threading library
- Experience with Geomesa.org with cassandra datastore
- Good understanding in Cassandra design principals, cluster connectivity and security
- Good understanding in NoSQL, Relational DBs (MSSQL, MySQL), SOA, EDA, and design patterns
- Strong software engineering process fundamentals (e.g. Agile/Scrum, testing levels & methodologies, use of bug-tracking tools, git, etc.)
- Strong appreciation of the importance of usability in the user interface
- A track record of delivering successful software solutions
- Fanatical pursuit of quality and technical excellence
- Willingness to get your hands dirty and apply your technical problem-solving skills
- An interest in GIS (graphical information systems) & mapping
- Ability to communicate clearly and effectively with all level of people within the company
- Fluent written and spoken English, Chinese is preferred.

*The position is on a renewable 1-year fixed-term contract (subject to performance and operational needs).*

Interested candidates email CV with your current and expected salary to [careers@insightrobotics.com](mailto:careers@insightrobotics.com).

## Project Manager

Hong Kong (contract based, renewable)

Target Group : graduates with at least 3 years related working years (~graduated in or before 2016)

### **About Insight Robotics**

Insight Robotics is looking for an experienced project manager to manage the delivery of different projects in Hong Kong and China. Your responsibilities include oversight of the project from beginning to end including; initial client meeting & proposal generation, vendor and partner management, as well as report generation. It will be your responsibility to ensure that projects are delivered on-time and to the highest possible quality.

### **We are looking for**

As a Project Manager, you will manage internal team-members and external vendors/suppliers as well as manage the client where necessary. You will also accompany members of the sales team on client meetings to provide your technical expertise and provide feedback to the development team so they can continually improve our product offerings.

You will provide service from local and oversea companies to certain government departments in the region and play a key role in leading the success of a rapidly expanding aerial survey business.

### **Responsibilities**

- Lead customer relationship to build confidence and trust, and ensure project progress arranging meetings and customer events
- Coordinate internal resources and third parties/vendors for the flawless execution of large-scale aerial survey projects
- Ensure that all projects are delivered on-time, within scope and within budget
- Developing project scopes and objectives, involving all relevant stakeholders and ensuring technical feasibility
- Ensure resource availability and allocation
- Develop a detailed project plan to track progress
- Use appropriate verification techniques to manage changes in project scope, schedule and costs.
- Alongside the sales team, manage the relationship with the client and all stakeholders
- Perform risk management to minimize project risks
- Establish and maintain relationships with third parties/vendors
- Create and improve project execution workflow and project management approach
- Provide feedback to relevant development teams for continuing product and service improvement

**Requirements**

- Proven working experience (3+ years) in aerial survey/remote sensing in an operational capacity. UAV specific experience a strong plus
- Intimate knowledge of remote sensing & GIS fundamentals and ground survey mapping
- Ability to manage internal team members & external partners
- Ability to manage large-scale remote sensing projects from end-to-end (data collection, image processing & analysis, GIS/mapping work, report generation)
- Ability to present to clients at a technical level when needed
- Degree in relevant GIS, remote sensing or mapping field a plus
- Language Requirement: English, Cantonese (Mandarin will be a plus)
- Job will involve occasional travel to project sites

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## Software Developer

Hong Kong (contract based, renewable)

Target Group : fresh graduate or graduate with 2-3 working experience

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### **Minimum skills and experience required... (the must fit)**

- Skilled in both software and minor computer engineering
- Strong experience in Python and/or C/C++
- Experience in geospatial intelligence, computer vision and/or A.I.
- Experience in SDK interfacing / implementations
- Have a sense of ownership in your work and work autonomously
- Ability to communicate and work well in a team environment
- Are passionate about learning, knowledge sharing, and continuously improving
- Good English language is a requirement for international meetings
- Are self motivated in achieving your goals

### **We'll REALLY love you if you.... (better have at least half of these checked)**

- Have computer science, computer engineering or related bachelor degree
- Minimum 3 years working experience in related fields or industries
- Have AI and/or machine learning programming experience
- Have knowledge in computer vision and/or image processing
- Love continuous integration & development and automating workflows whenever and wherever possible
- Are interested in international travel

**A detailed set of skills are listed below**

Computer Science

- Image processing
- Understanding of OpenCV
- Python (zeroRPC implementation, Numpy, OpenCV)
- Rest API (nice to have)
- Simple network knowledge
- Skill to read SDK documents and implement it (IP camera, weather station)

Computer Engineering

- Simple soldering/assembly experience, in order to assist with debugging systems or making alterations to them
- Prototyping new hardware and software creations by combining existing technologies

Other skills relating to the day to day position:

- Pelco D protocol implementation
- ONVIF protocol implementation
- Rest API
- Understanding of SQL
- Software version control (git)
- TCP/IP communications protocol
- RS232, RS485 communication protocol
- Multi-threaded applications
- HTML / web interface programming

We are willing to consider new graduates for the position providing your education covers python, C++ and image processing. If you feel you would be a great fit for this position, please send your CV and expected salary to [hr@insightrobotics.com](mailto:hr@insightrobotics.com).

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