

Job description: SW development lead

A.D Knight is changing the safety world, by saving lives and preventing accidents between pedestrian, micro-mobility, and vehicles based on a novel RF sensing technology. A.D Knight's solution is a real-time multidisciplinary system of systems platform.

We are looking for a rock star to join the band that will develop and be responsible for the end to end SW development of our platform and its applications. If you are a hands-on person with a passion to make a difference, come to lead the revolution with us!

What will you do?

- **SW development of early-stage products and internal development & validation tools, mostly in C/C++/Python in Embedded/Linux environment**
- **Engage constructively with the team to define requirements, develop software architecture, and plan development in dynamic, evolving problem spaces**
- **Analyze & solve difficult problems across the stack**

The must have

- BSc - preferably in computer science or electrical engineering
- +6 years of experience in Software Development, building distributed applications and systems
- An undeniable passion for building clean and beautifully architected software
- A very strong ability to dive into the unknown (code/theory) independently across the entire stack and to make critical system-level design decisions
- A high degree of self-motivation and ability to work independently
- A broad range of technology interests across different disciplines including computer and system architecture, web applications, performance analysis, distributed systems design, testing and verification technologies, data processing and networking
- Programming experience with different languages such as Python/C/C++/Java
- Hands-on experience in building Linux-based embedded and RTOS systems (e.g. STM32, ARM Cortex)
- Experience in developing and implementing communication protocols (e.g. WIFI, Bluetooth, UART, CAN, SPI, I2C)
- Background in the areas of cloud computing, enterprise computing, servers, networking, and virtualization technology and products
- Expertise in designing, analyzing and troubleshooting large-scale distributed systems

The nice to have

- Experience in JavaScript frameworks such as Angular JS, React
- Hands-on experience with cloud platforms like AWS, Azure, Azure IoT Edge
- Experience in Cellular network technologies
- Experience in working with FPGA and SDR
- Experience working on platform software including Linux BSP, board bring-up, Linux kernel, diagnostics, and communication interfaces including RS-232/485, I2C, SPI

Contact us at info@ad-knight.com