



DreamVu

**Job Title:** Senior Software Development Engineer

**Job purpose:**

DreamVu is a research and development oriented company and we are looking for talented people to design, develop and deploy high quality software components for our camera systems. We are building cutting edge softwares as a part of our human vision and machine vision platform which includes core competent technologies like robotics, deep learning, artificial intelligence, computer vision and computational photography. As a senior software development engineer you would be working with team developing exciting products and cross- functional engineering teams. You will work closely with design and research team to take the product from concept to customer release.

**Duties & Responsibilities:**

- Includes development, writing code and documenting the functionality.
- Integrating software components in different platforms.
- Implementing CV/ AI algorithms.
- Integrating softwares with camera hardware interfaces.
- Deploying functional software with operational specifications.
- Understanding different platforms and able to develop applications.
- Software includes user interfaces.
- Implement camera features
- Implement high quality drivers and HAL
- Work with teams to improve and tailor existing drivers to our needs
- Work closely with internal customers
- Optimize for performance
- Providing testing facilities
- Work with hardware team to ensure correct exercising of hardware
- Lead a team of software development engineers, front-end software engineers.

**Required Skills & Experience:**

- Current and Extensive experience in developing software products.
- understand the limitations and challenges in scaling of the software products.
- understand how to port the software and make it compatible with different platforms
- understand the importance of software for B2B clients and have worked before.
- understanding of embedded development constraints
- knowledge of one or more specific technical areas such as camera, multimedia or audio.
- have done testing of softwares during scaling stages
- Solid skills in C, C++
- Experience with one or more general purpose programming languages including but not limited to: Java, C/C++, C#, Objective C, Python, JavaScript, or Go
- Ability to develop softwares using Object Oriented Programming is a plus.

- Ability to develop applications on Linux. Windows platform is a plus.
- Experience in developing an end-to-end software.

**Desired Skills & Experience / Bonus Points:**

- Experience working low latency and high data throughput applications
- Video capture and camera pipeline processing experience
- Network/Socket Programming
- API library design experience
- High Performance Computer & Cluster experience
- Experience with STL and Boost libraries
- OpenGL/OpenCL/CUDA experience
- Camera HAL experience is a plus
- Linux on ARM CPUs is a plus

**Qualification:**

- Required expertise in Algorithms, Data structures, software engineering, distributed systems, database systems, Operating Systems.
- Masters degree in Computer Engineering or related field.
- 5+ years of experience doing hands on software development.
- 3+ years of experience working with computer vision based softwares.

**Period**

Full Time

**How to Apply**

Send your resume and portfolio (if possible) to [careers@dreamvu.com](mailto:careers@dreamvu.com)