Our growing company is hiring for a software design engineer. Please review the list of responsibilities and qualifications. While this is our ideal list, we will consider candidates that do not necessarily have all of the qualifications, but have sufficient experience and talent.

Responsibilities for software design engineer

- Development of WDI based WiFi/Bluetooth device driver on Windows 10 platform
- Development of firmware for WiFi and WiFi/Bluetooth coexistence on Windows/Linux platform
- Responsible for software development tasks/projects assigned by management
- This professional will be responsible for establishing/designing/configuring automation control system network environments, including but not limited to hardware and media selection, traffic analysis, segmentation, redundancy, and security
- This professional will consult and advise clients and customers regarding automation control network infrastructure such as topology, media, switching and routing, VLANs and segmentation, loop prevention, convergence with business networks
- This professional will work with project engineers to develop IP addressing range(s), subnets, VLANs, to meet customer/client needs for automation control network devices
- This professional will develop network system specifications for creating bill of materials for networking projects, including estimating labor hours for network build-out/configuration
- This professional will develop and maintain network drawings and related

- This professional will provide on-site support to software and control system engineers in control system integration, including testing and troubleshooting network devices
- Technical support, tutoring opportunities & development plans for their team

Qualifications for software design engineer

- Knowledge and experience in using Lean manufacturing
- Experience with programming languages (C, C++ and/or others)
- Software Engineering background with a Master's degree in Engineering, IT
- Knowledge of scripting languages (Python, Perl), GNU Make
- Knowledge of configuration and requirements management tools
- Bachelor of Science Degree in Computer Science, Engineering, Physics or Mathematics