We are looking for **IoT Software Engineering interns** during the summer 2022 period to work in our corporate innovation lab. This lab consists of a small, diverse team of engineers working on cross functional projects for multiple different businesses. The lab is located inside of the mHUB startup incubator in downtown Chicago, team members will have access to the whole facility.

The Team will focus on IoT or Industrial IoT projects and implementation in real facilities. Team members are expected to have strong problem-solving skills and be able to independently learn new things and technologies.

Projects scope will include architecting, software writing, implementation, testing, presenting the results and creating documentation of thought process and design so others can continue the work.

Responsibilities & Duties:

- Problem solving and learning about modern technologies
- Communication of ideas and questions
- Engineering in a cross-functional team (Mechanical, Electrical, Software)
- Communicating or Working with IoT Team located in India.
- Inquisitive nature & self-starter who can implement with minimal guidance
- Ability to effectively communicate technical issues and solutions to all levels of Product Engineering and Product Management.
- Demonstrated ability to effectively share technical information
- Stay current and help select and implement modern technologies.
- Share knowledge and champion best practices.
- Regular, dependable attendance and punctuality.
- Flexibility to work across all functions/levels as part of a dynamic team.

Qualifications & Skills

- Basic Knowledge of with some of the following
  - C/C++, Python, JavaScript, SQL
  - JavaScript frameworks, Node.js, Angular, React or other
  - Simple Web Developing, HTML, CSS
  - Databases like MySQL, MongoDB or other
  - Linux OS
- Familiar with Raspberry Pi and Arduino devices to control IO and reading sensor values
- General understanding of MQTT, HTTP/S, TCP and UDP protocols
- General understanding of AWS Cloud services such as: IoT Core, GreenGrass Core, IoT SiteWise, CloudWatch, IAM, Lambda, Glue, Athena, S3, EC2, Route53, SSO
  - AWS Panorama or Amazon Monitron services is a big plus
  - Machine Learning Services is a plus
- Familiar with open-source analytics and interactive visualization web application such us Grafana
- Strong analytical and problem-solving skills.
- Comfortable using command line interfaces like Unix Shell Scripting - (a plus).
- Excellent written, verbal communication and presentation skills.

- Experience in IDE's such us Visual Code Studio, Sublime, Arduino

Work Hours:

- Able to work at least 10-12 weeks (starting the end of May through August)
- Regular, dependable attendance and punctuality.
- Remote work is available based on what work product is being executed.
- The team will meet once per week in person to have lunch and have face to face project updates. This is contingent on company policies on COVID situation.
- Interaction with India group may involve some late even calls outside of normal business hours.

Salary & Benefits:

- This will be a paid internship ranging from $18 to $25 based on experience
- Full access to mHUB facility, labs, and training classes.
- Several outings and events with other Marmon interns.
- Field trips to visit other Marmon facilities to learn about us.

Company Profile:

Marmon Holdings, Inc., a Berkshire Hathaway company, is a global industrial organization comprising 11 diverse business sectors and more than 125 autonomous manufacturing and service businesses. Revenues exceeded $8.1 billion in 2019.

As an equal opportunity employer, we are committed to diversity in the workforce. In accordance with applicable law, we prohibit discrimination against any applicant or employee based on any legally recognized basis, including, but not limited to; race, color, religion, sex (including pregnancy, lactation, childbirth or related medical conditions), sexual orientation, gender identity, age (40 and over), national origin or ancestry, physical or mental disability, genetic information (including testing and characteristics), veteran status, uniformed service member status or any other status protected by federal, state or local law.