



*New Eagle*<sup>TM</sup>

MECHATRONIC CONTROL SOLUTIONS

### **Software Engineer, Ann Arbor, Michigan**

Software product developer with substantial leadership and development experience across domains: large distributed systems, desktop applications, web applications and embedded systems.

#### **Main Responsibilities & Tasks:**

1. Execute software development projects relating to:
  - a. Support of MotoHawk product line
  - b. Support of the Talon Controls Development process
  - c. Embedded product development
2. Develop technical proposals
3. Plan/execute cost-effective auto software designs for volume mfg or prototyping.
4. Perform design activities including requirements capture, write specs, software design/analysis, select 3rd party software, FMEA, robustness & reliability analysis, validation testing, etc.
5. Coordinate cross-functional design team.
6. Liaison w/outourced validation & mfg partners.
7. Ensure designs are executed in accord w/ internal & customer requirements

#### **Qualifications:**

- Experience designing control systems in Matlab/Simulink to automatically generate production quality code directly from models. Development of embedded software in automotive & telematics domains.
- Strong working knowledge of Simulink®, with MotoHawk® experience preferred
- Capable of working in a startup environment requiring nimble adaptation to unexpected events.
- Presentation skills: proficient in verbal, written (including Powerpoint), and public speaking
- Excellent general engineering skills in Electrical Engineering discipline – BSEE with strong software experience or BS Computer Science or Software Engineering. Master degree preferred.