

# Walbro

## JOB POSTING

**Posting Number** 16-004  
**Dates Posted** 4/2/16-4/8/16  
**Position Title** Project Engineer 1

**Position Reports to** Sr. Project Engineer 2  
**Department, Location** EM, Cass City, Michigan

### Job Summary

Software engineer focusing on engine controls associated with electronic fuel injection and engine controls development.

### Duties and Requirements of the Job

- Develops/upgrades/maintains/troubleshoots engine control strategies and core embedded software in C and Assembly languages with a focus on C.
- Designs, assembles, tests, and troubleshoots electronic circuits; understanding circuit theory, component application, and electronics manufacturing processes.
- Gathers, coordinates and applies basic engineering data using established and appropriate or defined engineering principles and procedures.
- Executes work in timely manner, complete with planning and documentation; flowcharting of code and documentation inline.
- Interface with other team members on non-discipline-specific challenges.
- Manages expectations and achieves deliverables within timeline.
- Helps teach/train other team members in specific area of expertise.
- Performs such individual assignments as Management may direct; establishes and maintains effective work relationships within the department, the Company and the community; and maintains the professional competence, knowledge and skill necessary for the satisfactory performance of all assigned responsibilities.

### Essential Functions

- Regular and predictable attendance.
- Develops/upgrades/maintains/troubleshoots engine control strategies and core embedded software in C and Assembly languages with a focus on C.
- Designs, assembles, tests, and troubleshoots electronic circuits; understanding circuit theory, component application, and electronics manufacturing processes.
- Gathers, coordinates and applies basic engineering data using established and appropriate or defined engineering principles and procedures.
- Executes work in timely manner, complete with planning and documentation; flowcharting of code and documentation inline.
- Interface with other team members on non-discipline-specific challenges.
- Manages expectations and achieves deliverables within timeline.
- Helps teach/train other team members in specific area of expertise.

### Required Training, Knowledge and Experience

- Knowledge is typically evidenced by a BS in Engineering (Mechanical, Electrical, Software, Computer Science), preferred with minimum 3-5 years of workplace experience in related field.
- In depth knowledge and ability to apply engineering sciences, mechanical and/or electronic principles, techniques, methods, and is disciplined in their application.
- Comfortable with analysis, interpretation and application of test data to meet goals.
- Experience with Control systems (preferably engine controls).
- Experience with C, Asm, C++ (Qt preferred) software development.
- Strong mathematical skills.

**Walbro is an Equal Employment Opportunity Employer.**

***The Company does not discriminate on the basis of a person's race, religion, color, age, sex, national origin, disability, veteran status, pregnancy, or other protected grounds in recruiting, hiring, training, promotion, or conditions of employment.***

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- Excellent and diligent planning and organizational skills are essential.
- Strong team player with ability to self-manage in addition to strong communication skills to work with engineers of other disciplines.
- Ability to take what is learned and expand own knowledge base via extra-curricular learning.
- Aggressive, results oriented skills with a passion to meet project plans, timing and cost targets willing to work through time consuming problems to achieve the desired goal.
- Non-conventional (creative) but realistic thinker in solving problems (concepts must be reduced to practical solutions to meet project plans).
- Excellent documentation skills (UML, flow-charting, commenting) in development as well as post-completion archiving.
- Hands-on mechanical and electrical background preferred.
- Autodidactic, strong team-player with ability to self-manage in addition to strong communication skills to work with engineers of other disciplines.

### **Physical Requirements**

- Occasionally lifts up to 50 pounds and frequently carries up to 30 pounds.
- Maneuvers in, around, under, and about factory and/or laboratory equipment on a regular and continuous basis.
- Some of work time is spent standing, walking, lifting, and bending.
- Works at telephone answering equipment, design equipment, and at a PC.
- Works within a components manufacturing, office, and laboratory setting and is exposed to heat, cold, wet, and fumes/chemicals.
- Travels to plant and customer sites.

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