

Senior Embedded Software Engineer - Industrial

Are you looking for challenging career opportunities? Do you truly want to make a difference in the world through technology innovation? Delta-Q could be the place for you.

Delta-Q Technologies, founded in 1999, supplies vehicle manufacturers with power conversion solutions enabling the shift away from internal combustion engines to environmentally friendly electric drive systems. Considered the technology benchmark in industrial AC-DC battery chargers and integrated DC-DC power converters, Delta-Q products are installed on hundreds of thousands of vehicles such as golf cars, aerial work platforms, industrial floor cleaning machines, Neighborhood Electric Vehicles, and plug-in hybrid and utility vehicles.

To support our continued business growth and to resource several new product development programs, Delta-Q is recruiting for a variety of Engineering, Product Management, Product Support, and Sales positions. Our vision is "Delta-Q in electric vehicles everywhere!" and our focus is to hire the best and brightest to make that happen. Find out how rewarding it is to help advance the state of vehicle electrification while working in a dynamic culture that embraces honesty, integrity, perseverance and innovation.

POSITION SUMMARY

The Senior Embedded Software Engineer specifies, designs, codes, integrates, tests and debugs complex software programs for a variety of platforms to support product development initiatives. Additionally, the Senior Embedded Software Engineer provides technical and process improvement feedback into the business and provides technical and work planning guidance to more junior developers.

PRINCIPAL RESPONSIBILITIES

- Writes technical documents including but not limited to requirement, technical reports, design specifications, test specifications in a clear and concise manner
- Designs software using a known and well respected methodology
- Implements the design using C programming language
- Performs unit testing, module testing, integration testing and functional testing
- Documents and manages the software test phases
- Integrates internal and third party software modules and integration test the combined package
- Resolves problems that are diversified and complex, requiring the development of new or improved techniques and procedures when not covered by established practice
- Provides technical guidance and supervision to junior developers via mentoring
- Performs reviews and audits on other team members work products as required
- Works and interfaces with engineers of different disciplines
- Plans own work and the work of junior developers where required
- Reports project progress, issues and risks to the supervisor
- Provides effort estimates, feasibility reports and soundness levels on projects/work packages to the supervisor
- Works to resolve post-manufacturing issues

QUALIFIED CANDIDATES SHOULD POSSESS

- Five years experience as a senior embedded software engineer
- Expert skill level in embedded C software development
- Experience with full life cycles of high volume production products
- A degree in computer engineering, electrical engineering or computer science
- Previously completed projects fully documented with traceable requirements
- Experience with design and implementation of software state machines
- Experience with hardware interfaces, including PWMs and UARTs
- Ability to understand hardware component data sheets
- Familiarity with lab test equipment such as oscilloscopes
- Basic knowledge of serial communication protocols
- Knowledge and experience using an RTOS
- Experience with software implemented on microcontrollers with small or no RTOS
- Ability to simultaneously code for multiple microcontroller architectures
- The ability to work independently and in a team
- Fluency in English

Please send resume as an attachment to careers@delta-q.com quoting "Senior Embedded Software Engineer" in the subject line.

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Delta-Q is located in Burnaby, BC, the geographical centre of Metro Vancouver. With a diverse economy and a growing high-technology sector, Vancouver is a world-class multi-cultural city set amidst the natural beauty of the ocean, lakes, rivers and mountains of the Pacific Northwest region. It is no wonder that so many people from around the world have made Vancouver their home and those raised here have chosen to remain.

Challenging career opportunities, competitive benefits and an outstanding location make Delta-Q a great place to be.

For more information about Delta-Q Technologies and current career opportunities please visit us at www.delta-q.com.