



Optimal Technologies International Inc. is expanding to become the leader in innovative grid optimization and building automation technologies. Optimal Technologies (US) Inc., a subsidiary of Optimal Technologies International Inc., is seeking experienced professionals with exceptional backgrounds in the design, and implementation of complex optimization, software and hardware systems.

This is an opportunity to be a part of a world-class team in an exciting and extraordinary time of Optimal's growth.

Position: **Lead Application Developer, SUREFAST Real-time Database**

This is a salaried full time position.

Responsibilities: Responsible for the design and development of a real-time embedded database for collecting and managing data in sophisticated building automation products for the consumer market.

- Flesh out technical requirements for an embedded real-time database.
- Lead a team of 5+ people carrying out the implementation of a high performance, memory-based real-time database.
- Ensure performance and functional criteria are successfully met.
- Follow rigorous implementation processes to ensure applications are robust, maintainable and have the lowest defect density possible.
- Foster a culture of design excellence incorporating best practices and successful design processes.

Location: Research Triangle Park Area, North Carolina

Compensation: Excellent compensation and benefit plan including participation in bonus, stock option, and stock ownership plans. Compensation is based on experience and performance.

Minimum Qualifications:

- 7-10 years experience developing a variety of real-time applications on Unix or Linux systems.
- Bachelor's degree in Computer Science, Electrical Engineering or equivalent.
- Experience creating event-driven, asynchronous applications.
- Thoroughly familiar with Unix IPC concepts and available APIs.
- Well acquainted with database concepts and methods of ensuring data integrity.
- Leadership qualities demonstrated by significant product development from concept through to successful release.
- Upbeat and flexible attitude; consistent enthusiasm for working in a fast-paced company.

- Good team player capable of doing independent research into topics when required.
- Strong willingness to learn new technologies and techniques.

Optimal Technologies is interested in inquiries and submittals from qualified candidates for this position. Please send inquiries, resumes, and salary requirements in Adobe Acrobat (pdf) format to surefast-software-careers@otii.com