

## **EMBEDDED SOFTWARE ENGINEER**

Finisar is an innovative global company that designs and manufactures high-technology communication products for optical fibre telecommunication networks. We are the largest supplier of optical communication components and subsystems in the world.

The Internet, Internet video, HD television, Smart Phones and Enterprise Data, are driving a global explosion in demand for high-speed communications. Finisar Australia designs and manufactures leading-edge optical communication products to help meet this demand. We embrace change, new technology, and teamwork, within and beyond the organisation.

We're looking for a talented Embedded Software Engineer to join our Product Engineering team. This team is responsible for the developing hardware and software that converts research concepts into finished products. The team also develops derivative and customised products in a fast-moving agile development environment.

### **Key responsibilities**

- Design and develop embedded software for our award-winning optical fibre switching components and subsystems.
- Understand, develop and implement sophisticated algorithms that control and optimise the performance of precision optical systems.
- Work with internal and external customers to explore use-cases and define concrete specifications.
- Actively participate in design, code reviews and unit testing within a formal SDLC.
- Analyse and diagnose complex control systems where software faults are suspected.

### **Education and necessary skills**

- Software engineering or computer science degree or equivalent, preferably with honours.
- 5 -10 years of experience in developing C software for embedded systems, preferably Linux-based.
- Strong maths skills, and experience in the development of algorithms, models and frameworks to ensure robust and reliable operation in real-world conditions.
- Great problem solving skills and strong ability to document and explain findings.
- Expert in at least one scripting language (Unix Shell Script, Perl, Python, etc.), and an ability to learn others quickly.
- Excellent communication & interpersonal skills, and an ability to collaborate effectively with experts from other technical domains.

Experience with Linux/POSIX embedded development environments, and familiarity with Python is highly regarded. Familiarity with FPGAs and electrical test equipment and/or an understanding of optical devices is also desirable.

**If this sounds like you and you are looking to work for an industry leader with a down-to-earth yet professional environment, then this is the job for you!**

**We offer a competitive salary. Finisar is a listed US company trading on NASDAQ under the symbol FNSR.**

**The right to work in Australia is essential.**

**FINISAR IS AN EQUAL OPPORTUNITY EMPLOYER.**