

## Senior/Principal Software Engineer (Full-time)

### About the business

Micro-X Limited is the inventor of the World's first electronic x-ray tube (NEX technology). This novel technology, developed by Micro-X, uses Carbon Nano Tubes as field emission x-ray sources which are used to make miniature x-ray tubes. Using these tubes, Micro-X designs and manufactures a range of innovative, ultra-lightweight x-ray imaging products in medical and security applications.

We are a fast-paced scale-up located in the Tonsley Innovation Precinct, South Australia, a hub for advanced manufacturing businesses and technology research. We partner with our neighbouring businesses and universities as we continue to invest in bringing new innovations to market. Our people are at the heart of our culture. We have a high performing and dedicated team who have a desire to succeed, collaborate and share knowledge to contribute to our combined success.

### About the role

The Senior Software Engineer is a crucial role within the Micro-X engineering team, helping to produce high quality technical solutions across a range of Micro-X development programs. You will be involved in a broad range of engineering activities, from concept through to product delivery. In addition, you will contribute to the continuous improvement of the software delivery process.

The role is Adelaide based and may require both national and international travel. We are willing to support relocation.

An attractive remuneration package based on skills and experience is on offer to the successful candidate. You will also be eligible to participate in our long-term incentive scheme. We offer flexible working hours including working from home when practicable, laptop and mobile phone.

### Tasks & Responsibilities

- Delivery of software solutions for Micro-X products.
- Development of software engineering frameworks, tools and continuous improvement activity.
- Deriving software requirements, architecture and delivery plans.
- Developing and performing software automated test scripting with prototype hardware and production end of line systems.
- Ensuring compliance to relevant software development and cyber standards.
- Supporting sustaining, cost reduction, feature enhancement and customer support troubleshooting as necessary.
- Contributing to the Micro-X development process and supporting best practice tools implementation.
- Planning and leading the delivery of assigned subsystem solutions and components working with a project team.
- Planning and implementing test plans for functional test and reliability.
- Relationship management and technical program guidance to external design partners and suppliers.
- Generation of design documents for regulatory submissions.
- Input to development program project schedules and budgets.
- Ensuring engineering standards of quality, cost, safety, timeliness and performance are observed.
- Adherence and improvements to the Micro-X quality system.
- Liaising with customers, manufacturing and other stakeholders to drive customer centric solutions.
- Configuration management of design outputs, change management process adherence.
- Liaising with customers, marketing, manufacturing and other stakeholders to drive customer centric solutions.
- Growing the Micro-X culture.
- Brand and advocacy for Micro-X and NEX technology.

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### Skills & Experience

Candidates must demonstrate:

- Minimum 7 years' technical experience in complex multi-disciplinary system development and manufacture in a commercial environment.
- Engineering degree in software discipline. Ideal candidates will have Honours degrees.
- Prior experience with C/C++ and Rust is highly valued
- Experience with POSIX/Unix-like systems.
- Experience with programming for STM32-family microprocessors
- Medical device industry experience is preferred, and working knowledge of the global defence, security and medical industries is highly valued.
- Complete understanding of business pressures and motivations, including a strong ability to adjust to tight and moving project deadlines.
- Exceptional people skills: our team, customers and suppliers are important to us.