

New Job Posting – September 22, 2020

Embedded Software Engineer

Amatek Design is an electronics product design consultancy with diverse project experience, including wearables, aerospace, home automation and medtech.

We are located in Chatswood, just 2 minutes walk from Chatswood Bus/Rail Interchange. See our website for further details: www.amatek.com.

We are seeking an **Embedded Software Engineer** with a minimum of 3-5 years experience in a team-based, commercial or R&D engineering environment, to join our software engineering team.

Minimum Qualification:

- Bachelor of Electrical Engineering, Computer Engineering, or equivalent.

Experience/skills:

- Good understanding of embedded real-time software development
- Contributing to software architecture design decisions
- Applying object-oriented design principles
- Coding in C & C++ embedded bare-metal and RTOS (eg ThreadX)
- Designing and implementing secure M2M/IoT/IIoT communication solutions
- Creating maintainable and reusable software
- Creating and maintaining software tests (unit tests, integration tests etc)
- Reading and creating UML (Unified Modelling Language) diagrams
- Generating and maintaining software documentation
- Reading and understanding electronics schematics
- TDD (Test Driven Development)
- CI/CD (Continuous Integration/Delivery) and automated testing with Jenkins
- Strong written and spoken English communication skills

Responsibilities:

- Analysing user requirements and translating them into detailed software development plans
- Moving from concept, through verification and validation, to production outputs
- Developing and implementing software test plans
- Analysing system behavioural problems, identifying root causes and devising fixes
- Repository management using SVN
- Issue tracking using JIRA
- Code reviews (eg using Crucible)

Personal:

- An ability to work to time constraints, while maintaining attention to detail
- Ability to show initiative and take responsibility

Successful candidates will initially be required to work from our office, with an option to work/telecommute from home once you've become familiar with project tasks assigned to you.

Please forward an up-to-date resume/CV and covering letter to: jobs@amatek.com