

Senior Software Engineer

Our engineers create software that enhances our customers lives; they problem solve, learn new skills and strive to be better people.

What does the job entail?

We primarily design, write, test, and deliver embedded software solutions for passenger transportation within the stairlift industry. Our expertise is in motion control, sensor algorithms, board level communications and safety critical software solutions; the role you will lead is hands on and involves software design and development for electromechanical devices and machines.

The team you will work with are part of a wider engineering team and ultimately develop and deliver new products to production. We also support our existing ranges with new features and upgrades. Because of our product diversity and interaction with mechanical, electronic, and test teams, you will naturally experience variety within the role.

What experience are we looking for?

You will be highly experienced in embedded C and C++ which will be demonstrated through substantial industrial experience. Your background will primarily be based around high-end 32-bit microcontrollers in control systems for machines where you will have worked upon motion control, sensor based algorithms, audio playback, file storage and software safety systems (up to SIL2).

We expect you to be fully versed in MISRA coding standards and be able to apply our corporate style standards. To ensure high integrity of our systems you will also be experienced with unit testing, continuous integration, and we require you to have worked in an environment where process and standards have required a high-level of diligence and documentation, particularly for compliance with safety critical systems.

Experience in Python would also be beneficial for support of our internally developed PC applications that we use within the team for product testing, debugging, data capture and reporting of our embedded systems.

The nature of our products requires you to have a good knowledge and mind for electronic and mechanical systems. Due to the flexibility of software we are often the team that interfaces between the other disciplines to suggest new design solutions, and to resolve system problems with software solutions.

Senior Embedded Software Engineer

As a candidate for the Senior Software Engineer role, you shall be able to demonstrate extensive experience in:

- + Embedded systems and development of software for products in C/C++.
- + Development of applications using Python.
- + Closed loop motor control/servo systems.
- + Development of algorithms for motion control systems.
- + Sensors and digital signal processing of sensor data.
- + I2S audio and embedded FAT32 systems.
- + Safety critical systems to EN61508, or an equivalent industry safety standard.
- + Ability to develop system and software architectures from requirements, and detailed design documentation.
- + Strong knowledge of CASE Tools.

You should also be able to demonstrate:

- + Ability to interact and communicate effectively with all company personnel.
- + Experience of mentoring colleagues and providing them with guidance rather than solutions.
- + Strong drive to get projects completed on time and in a diligent manner.

What is it like to work at Stannah?

We are a private family-owned company where staff are treated as a member of the family. Stannah's approach is to invest in people and tools to ensure our products meet market, standards, and customer expectations upon design and performance.

We are award winners for Investors In People and regularly train staff to ensure correct skills for the job and to allow investigation for new avenues of development. Our facilities are continually invested in to provide a good working environment which is appealing and productive.

Our staff are friendly, approachable, diverse and committed to producing quality products to aid our customers mobility.

Our Package

We do our best to treat all our staff equally and offer employees the following perks:

- + Quarterly Performance Bonus
- + Health Cash Plan through SimplyHealth
- + Competitive Salary
- + Competitive Pension; up to 8% put in by Stannah.

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- + Stannah Rewards Scheme; Discounts from 1000s of retailers.
- + 25 Days holiday + Bank Holiday; with the option to buy up to a further 5 days.
- + Flexible working catered to individual needs including remote working.
- + Early finish Fridays.
- + Latest technology and state of the art facilities.
- + On-site subsidised canteen.
- + Commutable; Easy access from London, South Coast & South West.
- + Social club offering lots of trips throughout the year.