

Ground Software Developer

Our Company

At Distributed Avionics we specialise in high-reliability flight control solutions for drone platforms with one aim, to set the standards within drone avionics. Designed and built in the UK, our autopilot system utilises Masterless™ control technology to bring unparalleled levels of safety to any platform.

Our cloud-based Distributed Control software maintains connection to the platform from any location, our software provides BVLOS (beyond visual line of sight) control to any platform using Masterless™ technology and our hardware has been certified to IP68 and our team is IPC trained and registered.

We are setting new standards in drone and UAV regulation in the areas of air risk, airworthiness and technical competence and there has never been a better time to join us!

Our Role

We are seeking an enthusiastic and capable mid or senior level full stack developer to join our ground software engineering team. Working alongside the Ground Software Lead you will be designing and implementing the next generation of UAV ground control station software. This is a highly collaborative role, and we are seeking a self-starter who can question the current convention and come up with better ideas and solutions!

You will be willing to contribute to tasks across the tech stack including database design, cloud deployment solutions, business logic design and the all-important user interface. By choosing a career at D

A you will be joining a highly ambitious team with the aim of being the number one choice in the fixed wing autopilot market. You will have a 1:1 working relationship with the Ground Software Lead as we create a reliable, easy to use and safety critical user interface to the state of the art 'Masterless Control' autopilot.

Your approach

- Excellent attention to detail
- Self-driven with the ability to use your initiative
- Contributing member of a high performing team
- Willingness to learn and impart your knowledge to support the team
- An interest within aviation or related industry
- Willingness and ability to travel (access to own transport)

Responsibilities & Scope

- Collaborate with the Ground Software Development Lead to plan and deliver updates to the Ground Software user interface
- Work closely with the operations team to gather and prioritise improvements to the user experience of the Ground Software
- Support the Quality Assurance team in providing input to automated and manual test plans
- Attend airfield flight test days to get real world feedback and educate operators on how to use the system
- Champion the capturing of data from every flight in order to gain technical insights

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Role Foundations

- STEM discipline degree (minimum 2:1) or equivalent qualification (preferably within Computer Science)
- Highly technically capable with good logical reasoning and ability to learn new skills
- Strong knowledge of front-end development languages (HTML, CSS and Typescript)
- Strong knowledge of C# and the asp.net Core Framework
- Minimum 3 years' experience in software development
- Good knowledge of Git, Github and package management tools like Nuget & NPM
- Experience of Cloud web hosting (ideal but not essential)
- Knowledge of the Angular framework and material design (ideal but not essential)
- Knowledge of large scale databases and designing data schemas (ideal but not essential)

What you can expect in return:

- Innovative and modern working environment
- Competitive salary (up to £50,000 DOE)
- Company pension scheme enrolment (a scheme of your election or NEST)
- Opportunity to travel with on location flight testing around the UK and abroad
- Company social events
- Support with professional learning and development
- Flexible approach to working
- UK-Based site testing on an ad hoc basis
- Free on-site parking at our Southampton offices

Application Process

Please submit a cover letter and CV to: info@distributed-avionics.com detailing the job title *within the subject of your email*.

