



Senior Software Engineer Flight Control (all gender)

Manching

Reference Number: REF19377E

#weareALTEN - the home of forward thinkers

We are the designers of today for the world of tomorrow.

As one of the world's leading engineering service providers, we at ALTEN are committed to positively shaping the future of our partners, the careers of our employees and the challenges facing our society and environment.

More than 50,000 employees in 30 countries are already working on innovative solutions in various engineering and IT sectors such as aerospace, renewable energy, medical technology and railway technology.

Make it happen

YOU...

- develop embedded software in C for Flight Control functions
- work across the full V-cycle in a DO-178C environment (requirements, design, implementation, verification)
- derive LLRs from HLRs and ensure full traceability (HLR ? LLR ? code ? tests)
- contribute from detailed design (UML, Rhapsody, Enterprise Architect) to implementation and verification
- create, review, and execute unit, developer, and software tests (requirements-based testing)
- assess verification evidence and ensure DO-178C compliance (SW Assurance & QA activities)
- perform debugging and integration testing using tools like Trace32 / Lauterbach
- support QA audits, process compliance checks, and static code analysis

Be our forward thinker

YOU...

- hold a completed degree in aerospace engineering, software engineering or a comparable technical qualification
- have strong experience in Embedded C development across the full V-cycle, a plus are C++, Python, MATLAB/Simulink, preferred in the aerospace sector
- have hands-on expertise in:
 - Software design (UML, Rhapsody, Enterprise Architect)
 - Unit testing (e.g., VectorCAST or equivalent)
 - Requirements engineering (DOORS)
 - Debugging & integration (Trace32, Lauterbach or similar)
- have solid knowledge of DO-178C, traceability, and software verification principles
- are experienced in Software Assurance & Quality Assurance processes
- have experience with these tools: DOORS, Git, Jenkins, VectorCAST/LDRA, Polyspace/Coverity, Jira, Astrée
- know FMS/FMC, Flight Control Systems, ARINC standards, DAL levels, certification processes in aerospace
- have experience with RTOS (real-time operating systems), ideally
- are prepared to undergo an enhanced security clearance (Level Ü2 under the Security Clearance Act). A successfully completed and current Level Ü2 security clearance is an advantage
- are a professional user of English, German skills are a plus

We value diversity and therefore welcome all applications - regardless of gender, nationality, ethnic and social origin, religion/belief, disability, age and sexual orientation and identity.

Severely disabled persons will be given preferential consideration if they are equally qualified.

Apply now using our online application form.

A home where people learn and thrive

- **Talent Management** - we develop your career
- **Work life balance** - flexible working hours and mobile working possible
- **Fit and relaxed** – with EGYM Wellpass
- **Enjoy biking** – always on tour with bike leasing
- **Green Mobility** - with us you can travel at a reduced rate

...in addition we offer a permanent employment contract, corporate benefits and team events.

Your contact person

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