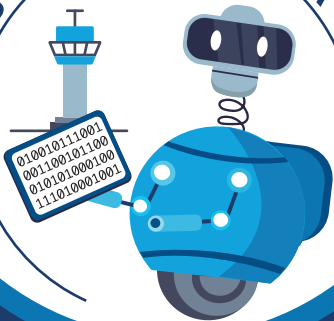


# ATM SYSTEM DEVELOPER



## JOB DESCRIPTION

ATM System Developers are responsible for the full software development lifecycle of applications used in air traffic control. This includes requirements analysis, design, coding, testing, deployment, and maintenance. They work closely with air traffic controllers and other stakeholders to ensure that the systems meet operational needs and comply with regulatory standards.

## SALARY

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## DAILY ROUTINE

Collaborating with stakeholders to gather requirements, designing and coding software solutions, conducting unit and integration testing, troubleshooting and resolving issues, documenting software designs and test results, and participating in code reviews.

## IMPACT ON PRIVATE LIFE

The role typically follows standard office hours, but project deadlines or system emergencies may require additional hours. It may involve occasional travel for meetings or on-site deployments.

## SKILLS AND COMPETENCIES

Proficiency in programming languages (e.g., Java, C++, Python), understanding of software development methodologies, experience with real-time systems, knowledge of aviation protocols and standards, strong problem-solving abilities, and excellent communication skills.

## SELECTION CRITERIA

Candidates must have a degree in Computer Science, Software Engineering, Aerospace Engineering, or a related field, with training in ATM systems, real-time software, and aviation data processing. Experience in developing software for critical aviation systems, including ATC automation, surveillance, and decision-support tools, is required. Strong knowledge of aviation regulations, safety-critical software, programming (C++, Java, Python), system architecture, and databases is essential. Some roles may require ATM certifications, AI/ML experience, and cybersecurity compliance.

# Engage 2



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## EDUCATION

A bachelor's degree in Computer Science, Software Engineering, or a related field.

## YEARS OF TRAINING REQUIRED

Around 5-7 years to qualify for this role. The process includes a bachelor's degree in software engineering, aeronautical engineering, or air traffic management, which takes 3-4 years, followed by 2-3 years of experience in ATM software development, air navigation services, and system integration.