



INTEGRATION SPECIALIST I

Department: Systems Management

Location: Montreal, QC, Canada

Status: Full-time (Temporary)

Date Posted: November 8, 2021

Are you interested in joining an organization that?

- Has over 30 years of experience providing innovative software simulation solutions in the Air Traffic Management (ATM) and Air Traffic Control (ATC) fields?
- Provides products and services to governments, colleges and universities, and defense and civilian ATC agencies worldwide?
- Offers a pay-for-performance compensation structure, tuition reimbursement, and access to various professional development opportunities?
- Has work/life balance programs in place and offers a holistic benefits package that is fully customizable based on your specific needs?

If this sounds interesting to you, continue reading about our job vacancy below.

The **Integration Specialist I** is responsible for qualifying and recommending hardware components. They ensure that a Designed to Win (DTW)) solution is deployable in a sustainable, maintainable and effective manner, and with all associated documentation and tools. The Integration Specialist I also tracks and monitors the hardware obsolescence trends and recommends alternatives or mitigations.

Essential Duties and Responsibilities:

- Assists other members of the Integration Specialist team with developing the installation and configuration strategies, methods, processes and tools that support the efficient deployment of Adacel's products and system solutions.
- Works closely with the Systems Engineering team to define the hardware (firmware and OS), technical specifications, and deployment solution(s) necessary to ensure system requirements are attainable.
- Leads the equipment qualification process by ensuring that new (or replacement) equipment is suited for system integration.
- Actively tracks and manages hardware obsolescence, follows trends and provides proactive recommendations and strategies for mitigation, upgrade and avoidance of obsolescence.

- Communicates information on hardware evolution that may modify the roadmaps.
- Develops, tests and documents installation methods, processes and tools to ensure that the solution is deployable in a sustainable, maintainable and effective manner.
- Develops, tests and maintains installation and other field support software and tools as per Engineering development processes.
- Validates the product installation methods and procedures and keeps Project Technical Leads (PTL's) informed of any changes.
- Creates the system hardware design and drawings for proposals.
- Supports proposals by providing hardware configuration basis of estimate (standard BOM's).
- Supports the PTL's during systems integration (staging) before shipping.
- Assists the PTL's with preparing customer specific BOM's and system layouts, as necessary.
- Provides 24/7 support to the PTL's when systems are being deployed to the field.
- Works with Managers in the Technology and Operations departments to bring new and deployed system configurations under Configuration Management.
- Works with the Technology department to maintain the lab facilities.
- Performs other duties as assigned by Supervisor.

Required Qualifications:

- Diploma of College Studies (D.E.C) and 3 years of vocational training (AI) or Associate's degree in Engineering, Computer Science or a related field (AI).
- Previous experience installing and integrating complex hardware and software systems based on Microsoft and Linux OS.
- Advanced knowledge of Linux applications and distributions (Centos, Red Hat, Fedora, & Ubuntu).
- Advanced knowledge of hardware and software system integration.
- Advanced knowledge configuring and troubleshooting Windows/Linux Ethernet networks.
- Strong knowledge of writing scripts using AutoIt, Bash, Batch, Python, C#, and Perl.
- Strong knowledge of computer hardware repair, troubleshooting, and configuration.
- Strong knowledge of domain-specific topics (ATM, ATC Simulation, speech recognition, etc.).
- Working knowledge of AutoCad, SketchUp, and/or Visio software.
- Working knowledge of programming languages (C, C++) and Microsoft development tools for the Windows platform (Visual Studio 6.0 and beyond).
- Strong problem solving and critical thinking skills.
- Good written and verbal communication skills.

Desired Qualifications:

- 3+ years of experience installing and integrating complex hardware and software systems based on Microsoft and Linux OS.
- Previous experience with sourcing components and communicating with suppliers.

How to Apply:

- You may apply by sending a copy of your resume/CV to careers@adacel.com.

Adacel Inc. is an Equal Opportunity employer. We value diversity and we are committed to creating an inclusive environment for all employees.

All qualified applicants will receive consideration for employment without regard to age, civil status, disability, ethnic origin, language, political convictions, pregnancy, race or color, religion, sex, sexual orientation, social condition or gender identity or expression.