C++ Software Development Intern
6 month Internship Program
Topic: Continuous integration study

About us

Join us and shape the future of travel. Amadeus is part of everything it takes to bring travel to life. We provide the technology that keeps the travel sector moving – from initial search to making a booking, from pricing to ticketing, from managing reservations to check-in and departure processes.

Our people are driven by a passion for ‘Where next?’ and our ambition is to improve the travel experience of hundreds of millions of people every day. At Amadeus, you can take pride and responsibility in your work, facilitating the entire travel journey from door to door. Amadeus does this by joining up key players in the travel industry: travel agencies, corporations, airlines, airports, hotels, railways and more. We give those companies the tools to serve travellers better and to manage their own business more effectively.

Amadeus is at the heart of the global travel industry. Our people, our technology and our innovation are dedicated to working with our customers and partners to shape the future of travel.

The role

Always wanted to work on a practical, Mission Critical Application?

Join Amadeus to work on the next generation of Departure Control System (DCS). Our system handles your airport experience: Check-in, Baggage, Boarding, Seat Requests, Etc. for Qantas and many more airlines across the world.

Our system is constantly improving, driven by airlines requirements, and possibly by YOU!!

The Altea DCS – Customer Management (CM) product is used by airlines to perform check-in activities for their flights. It consists in a client-server application – the user interfaces (check-in desks, kiosks, websites...) sending messages to a server which performs all transactions.

More than 300 business analysts, developers and testers work together on this project, in a multi-site development environment (London, Sydney, Bangalore, etc). One of the biggest challenges for our application is to implement an effective continuous framework. Indeed, many developers work in parallel, and our customers require regular delivery on test systems and on production. We use as well a homemade non-regression test framework to validate our code changes.

The objective of this internship is to review our current development process, discuss with the teams of the potential flow improvements, and to make recommendations on how to improve it.
Main responsibilities

- The intern would work using an incremental methodology.
- The intern would have to discuss with all development teams to understand the issues with our current development environment.
- The intern will have to conduct a study with some recommendations to improve our continuous integration process.
- The intern will implement one of those recommendations.

Requirements

Personal Skills

- Analytical and conceptual thinking
- Good communication skills
- Ability to prioritize
- Creativity

Programming Skills

- Java or C++
- Scripting languages
- Strong interest in algorithmics
- Ability to read and understand existing code

Location

Sydney

How to apply?

Please apply by logging onto www.amadeus.com/careers citing the topic as reference.