



# Design and development of administrative information systems

Code	FAP7444
Programme	FCT
Department	FAP
Responsible	32012 - Mr. Derek Mathieson

## Title

Design and development of administrative information systems

## Description

The Administrative Information Systems (FAP-AIS) group is responsible for providing CERN with business computing services and hence is the backbone for enabling CERN's administration to create the conditions for physicists from all over the world to successfully conduct particle physics related research. The group provides in-house developed software and runs complex commercial solutions. The group's services cover all aspects from hiring of personnel, managing contracts, running ERP systems (covering HR, personnel, planning and logistics), managing interventions (incl. the management of access to the underground/accelerator areas), providing tools for CERN's outreach activities as well as managing documents and supporting more than 70 business processes in an entirely automated paperless way.

Selected candidates will contribute as full stack (web) developers in an agile environment (Scrum, Kanban), in teams of around 10 developers, in activities of maintenance, support, enhancement and new development of different applications supporting CERN's key business processes. The principal technologies that will be used are Java, JavaScript, HTML5 and CSS. In addition, the selected candidates will work with Oracle databases, use SQL and may also work with BI/ETL tools (e.g. Pentaho) or ERP systems.

## Skills

Databases: MySQL, Oracle. Information Technologies: Building web applications (e.g. with jQuery, HTML5), Using software development tools (e.g. Git, Jira, Trac), Using web application frameworks (e.g. Django, GWT, APEX). Programming Languages: Java, Javascript, SQL, PL/SQL or similar

Master Degree or Bachelor in Computer Science or similar. Having a good knowledge of the group's core technologies, in particular, Java, SQL, JavaScript, or interest and motivation to learn more about them, would be an advantage

## Disciplines

Information Technologies

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