



JOB POST – IT SPECIALIST

Summary of the role

Management and maintenance of CERTEC-UPC computer systems. In particular, the main duties and responsibilities of the successful candidate will be:

- Server administration: windows (active directory)
- Administration of WEB, Firewalls, network drives (NAS), DHCP and backup servers
- Servers and PCs setup
- Database administration
- Development and update of Web pages
- Basic network configuration and administration

Research support in those aspects related to hardware, software and programming associated to the projects developed at CERTEC within the area of technological and natural risks.

Education

Degree in Computer Engineering/Science or other similar degrees. MSc or MEng appreciated.

Knowledge and skills

The following skills will be appreciated:

- Windows Server: Active directory, group policies implementation, ISS (WEB and FTP) management, backup management, DNS administration, DHCP administration.
- Setup of O.S. Windows 7, 8, XP and Linux.
- TCP/IP networking.
- Databases: SQL Language (MS SQL Server, Access, MySQL, etc.).
- Basic knowledge on PC repair.
- Programming languages: Scripts (DOS, BASH, etc.), VBA, C#, VB, Matlab, Python.
- WEB pages (ASP.NET, PHP, etc.).
- Office Software.
- Virtualization: Hyper-V, VirtualBox, etc.
- CFD tools.
- Languages: Spanish and English. Other languages appreciated.

Personal attributes

- Analytical and problem-solving skills with a proactive approach.
- Self-learning skills.
- Positive attitude towards working in an international environment.
- Communication skills, demonstrated both oral and published written (English and Spanish).
- Interpersonal skills.



Centre d'Estudis del Risc Tecnològic
UNIVERSITAT POLITÈCNICA DE CATALUNYA

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Salary and hiring

Remuneration to be established based on the degree and experience. Immediate hiring.

Information and application

Please apply by sending an email to Prof. Eulàlia Planas (eulalia.planas@upc.edu) and to Prof. Elsa Pastor (elsa.pastor@upc.edu). Please include a detailed CV along with a letter of application.

About CERTEC and UPC

The Universitat Politècnica de Catalunya · BarcelonaTech (UPC) www.upc.edu is a public institution dedicated to higher education and research, specialised in the fields of engineering, architecture and science. The activity that goes on at UPC campuses and schools has made the University a benchmark institution. The University harnesses the potential of basic and applied research, and transfers technology and knowledge to society. These actions make the UPC—in partnership with industry—an agent and driver of economic and social change. The UPC puts its scientific and technological infrastructure at the service of research groups and centres, researchers and students, professionals, companies and institutions.

The successful candidate will work at CERTEC (Center for Technological Risk studies), at the Chemical Engineering Department of UPC, in Barcelona. CERTEC is an organization whose objectives are research and education in the various fields of risk and safety. We develop educational, research and technology transfer programs, for the public and private sector, both at local and international level. The group exists of an enthusiastic, diverse and creative team, including scientific tenured staff members (full and associate professors), PhD and MSc candidates and undergraduate students. For further information about working at CERTEC, take a look at www.certec.upc.edu

CERTEC is located at the I Building of the new UPC Diagonal-Besòs Campus (CBD). With its School of Engineering ([Barcelona East School of Engineering, EEBE](#)) and its research and technology transfer groups, CBD fosters a university model based on the promotion of research and innovation focused on the productive sector. CBD's main objective is to become a backbone to boost economic activity in those areas of knowledge and productive sectors that are strategic for Barcelona and Catalonia.

Barcelona, November 30th 2020