IMDEA Networks Senior IT Analyst/Programmer Position Description

Job Summary

This position is part of the IMDEA Networks institute-wide computing effort administered by the Engineering Services Department.

Under the general supervision of the IT Manager, determines programming requirements for systems. Designs flexible client-server frameworks. Analyzes and improves performance of software programs and analyzes requirements for data exchange between application software and other IMDEA Networks systems; determines viable alternatives; makes recommendations; and designs, specifies, obtains consensus on, and implements solutions. (e.g., solutions usually require writing programs in various computer languages.)

Additionally, helps to plan, organize and direct information systems operations and activities including the planning, development, installation, operation, analysis, maintenance and repair of computer systems and related hardware, software, networks, databases, peripherals and applications; coordinate and direct projects, personnel, communications, support services and information to meet the Institute's information technology needs and assure smooth and efficient department activities; supervise and evaluate the performance of assigned personnel.

Essential Functions:

Determines programming requirements for systems. Designs flexible client-server frameworks. Analyzes and improves performance of software programs and analyzes requirements for data exchange between application software and other IMDEA Networks systems

Define, develop, test, analyze, and maintain new software applications in support of the achievement of the Institute's requirements. This could include writing, coding, testing, and analyzing software programs and applications. Will also research, design, document, and modify software specifications throughout the production life cycle.

Helps to plan, organize and direct information technology operations and activities including the planning, development, installation, operation, analysis and maintenance of software platforms

Manage software engineering schedules, budget and resource allocation.

Participate actively in software development and provide guidance to developers;

Collaborate with stakeholders to understand project goals and requirements. Participate in architecture, modelling, and design meetings with software development engineers, refining & prioritizing work backlog and coordinating deployment schedules.

Supervise and evaluate the performance of assigned personnel; interview and select employees and recommend new hires, transfers, reassignment, termination and disciplinary actions; coordinate the planning and implementation of staff development and training programs related to information technology.

Direct and participate in the preparation and maintenance of records, files and produce reports related to technology projects, software, servers, networks systems, financial activity, personnel and assigned duties;

Provide technical information and assistance to the Directive Team regarding Department projects, activities, needs and issues.

Research, compare and evaluate new hardware and software programs and make recommendations as appropriate.

Communicate with faculty, administration departments, personnel and outside organizations to exchange information, coordinate activities and programs and resolve issues or concerns.

Responsible for inventory management of laboratory, computer and network related equipment, software applications, and for the environmentally friendly disposal of obsolete equipment.

Skills, Knowledge and Ability

Managerial and Supervisory

Ability to lead a Team, building high morale and getting group commitments to goals and objectives.

Establish and maintain cooperative and effective working relationships with others, both inside and outside the Institute.

Capacity to negotiate and influence upwards.

Communicate effectively, both orally and in writing, using interpersonal skills that include tact, patience and courtesy when interacting with others.

Interpret, and apply regulations, policies and procedures.

Strategic and tactical thinking, analyzing situations accurately and adopt an effective course of action.

Meet schedules and time lines.

Autonomy: Work independently with little direction.

Ability to react quickly and rationally during emergency situations.

Technical

Computer systems, hardware, software, databases, networks, operating systems and applications utilized by the Institute.

Web development using a MVC framework like Ruby / Rails, Java / Spring, or similar

Best practices, procedures and techniques involved in the design, setup, development and modification of computer and network systems, web sites, hardware, software and applications.

Hands-on experience developing test cases and test plans.

Requirements

A high level of English (IELTS 7 or above, CEFR C1 or above), both spoken and written, required.

A degree in Computer Science or related field, required. A M.Sc. or Ph.D. degree preferred.

At least three years' experience involving the development, operation, analysis, maintenance and repair of computer systems, hardware and software, required.

At least three years' experience in software development, required.

How to apply

If you are interested and believe that you qualify, please send your CV (in pdf format) to: recruit.networks@imdea.org.

Please include the following reference on the email subject: "2017-08-28_Senior_Analyst".

Deadline for receipt of applications: 30 September 2017