POSITION INFORMATION

<table>
<thead>
<tr>
<th>Post Title:</th>
<th>.NET Analyst Programmer (USOAP) – deadline extended</th>
<th>IC Vacancy Notice:</th>
<th>2019/32/IC</th>
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<td>Level:</td>
<td>Band B</td>
<td>Posting Period:</td>
<td>22 August 2019 – 21 September 2019</td>
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<tr>
<td>Duty Station:</td>
<td>Montreal, Canada</td>
<td>Date for entry on duty:</td>
<td>As soon as possible</td>
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THE ORGANIZATIONAL SETTING

The Bureau of Administration and Services (ADB) plays a lead role in the effective and efficient administrative management of the Organization by ensuring the provision of high-quality physical and human resources by applying the highest standards of work ethics and conduct, and by using results based management skills and tools to support the Organization in implementing its Strategic Objectives, in order to serve all stakeholders of the world aviation community.

The Information and Technology Section (ICT) is a section within the Bureau of Administration and Services (ADB) in ICAO. ICT supports ICAO’s mandate through provision of a variety of ICT services, including development of quality ICT solutions, technical support for ICAO’s applications, knowledge management initiatives and web services, and sourcing of the information systems and equipment that serves the organization’s business needs as well ensures the availability, reliability and high performance of the existing ICT systems.

ICT develops and maintains several software and database systems that require constant effort in creating new structures and maintaining the current ones. In order to keep these systems updated and the internal customer requirements fulfilled, ICAO is hiring a Analyst Programmer specialized in .NET systems to be part of the USOAP software development and maintenance team.

Reporting to the Chief of Oversight Support Unit, the incumbent will code, test, and deploy .NET applications developed as web or as standalone applications; define and document technical specifications, application functionality, and perform technical testing. Additionally, s/he will be responsible for defining test plans, test scripts and conducting systems testing. The professional will be working in a team environment with business and technical resources as well as third party vendors. The candidate must have strong programming and database skills and a broad experience across a complex matrix organization.

MAJOR DUTIES AND RESPONSIBILITIES

Provides .NET programming capabilities to the USOAP team; achieving results such as:

- Provide application and database development aimed to enhancement of functionalities of the ICAO USOAP system.
- Provide day-to-day technical support to the USOAP system users regarding operations and processes.
- Troubleshoot and resolve existing application issues.
- Participate in system development, integration testing and implementation of new requirements on .NET platform.
- Perform complete Unit and Integration testing and deliver complete documentation during the application development life cycle (SDLC).
- Interact with other departments to clarify and build applications that meet a business unit’s objectives.
- Liaise with Business analyst(s), end-users and the development and test teams to clarify and confirm business requirements for application.
- Analyse technical options and impact of change requests.
- Identify technical issues and provide workarounds or solutions.
- Conduct code review with the development team to optimize performance and reusability.
- Perform unit and performance testing and support to user acceptance testing.
- Develop and write USOAP/USAP business requirements
- Implement new USOAP/USAP software development technological and methodological practices
- Maintain and document DevOps Continuous Integration and Continuous Delivery processes for USOAP/USAP software
- Perform other related duties as assigned.
Educational background

University degree (Master degree or equivalent is an asset) in Management Information Systems, Computer Sciences, Business Administration or in a related field.

Professional experience and knowledge

Essential
- Minimum 5 years of experience and proficient in C#.NET, ASP.NET Web Forms, ASP.NET MVC, .NET Framework 3.5+ and Entity Framework 5+.
- Minimum 3 years of experience and proficient in SQL Server 2012 or higher, relational database design (utilizing normalization and relational integrity principles) and T-SQL programming of stored procedures and other database objects.
- Experience with intuitive UX design and development using AJAX, HTML5, CSS3, Bootstrap4, JavaScript, JQuery or Vue.JS.
- Significant experience in Microsoft Visual Studio 2017 IDE, SQL Server Management Studio, Team Foundation Server and SQL Server Reports (RDL or RDLC).
- Experience in systems integration, integration of third party SDKs and implementation of WFC Web Services, RESTful APIs, OAuth, JSON.
- Experience in Object Oriented and SOLID software design principles.
- Experience in supporting .NET applications in production.
- Ability to troubleshoot possible complex bugs and/or areas of concern in existing code.
- Capacity of adaptation and complex problem solving.
- A strong team player, personable, open to learning new methodologies, flexible and highly professional.

Desirable
- Experience with Open XML, .NET Core, .NET Core MVC and Entity Framework Core.
- Experience with developing mobile applications based on iOS, Windows and Android platform.
- Experience with Xamarin or Windows Universal Platform.
- Experience and knowledgeable in Agile Scrum and, or Extreme Programming software development methodologies.

Language Skills

Excellent written and oral communication skills in English are essential. Working knowledge of a second language of the Organization (Arabic, Chinese, French, Russian, or Spanish) is an asset.

CONDITIONS OF EMPLOYMENT

It should be noted that this consultancy is to be filled for an initial period of six (6) months with a possibility of an extension up to 11 months.

Please note that the monthly rate for Band B varies from $5,633 to $7,366.

HOW TO APPLY

Interested candidates must complete an on-line application form. To apply, please visit ICAO’s e-Recruitment website at: https://careers-new.icao.int.

NOTICE TO CANDIDATES

ICAO does NOT charge any fees or request money from candidates at any stage of the selection process, nor does it concern itself with bank account details of applicants. Requests of this nature allegedly made on behalf of ICAO are fraudulent and should be disregarded.