POSITION INFORMATION

<table>
<thead>
<tr>
<th>Post Title:</th>
<th>Full-stack .NET Senior Developer, BTS (multiple positions)</th>
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</thead>
<tbody>
<tr>
<td>IC Vacancy Notice:</td>
<td>2020/28/IC</td>
</tr>
<tr>
<td>Level:</td>
<td>Band B</td>
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<tr>
<td>Posting period:</td>
<td>14 April 2020 – 5 May 2020</td>
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<tr>
<td>Duty Station:</td>
<td>Montréal</td>
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<tr>
<td>Date for entry on duty:</td>
<td>As soon as possible</td>
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THE ORGANIZATIONAL SETTING

The Business Technology Services Section is under the Information and Administrative Services in the Bureau of Administration (ADB) in ICAO. The Business Technology Services (BTS) is responsible for the development of solutions to support and enhance the business of the bureaus, as well as to support the bureau’s efficient management of their operations. ICAO’s BTS delivers modern, sustainable information management systems to support ICAO’s mandate. The Section is responsible for the planning, development and management of solutions to support the strategic goals of the Organization. This includes the formulation and implementation of strategies for the modernisation of the Organization’s applications and systems, as well as the introduction of integrated information management systems, with a view to improve the efficiency and effectiveness of the Organization’s business processes.

Reporting to the BPM unit head, 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. 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

Function 1

Develop web applications for varying uses throughout the Organization and the aviation industry:

- Write clean, scalable code using C# and ASP.NET MVC 5.
- Develop off-line WinForms stand-alone applications.
- Create data models that represent and support business processes.
- Design overall architecture of the web application.
- Create responsive website layout/user interface by using standard HTML/CSS practices.
- Generate PDF/Word files reports from the database based on predefined templates.
- Create interactive user interfaces using jQuery, Vue.js and/or other advanced JavaScript frameworks.
- Integrate data from various back-end services and databases.
- Translate storyboards and use cases into functional aspects of the application.
- Proactively learn and utilize new technologies, concepts, and procedures as appropriate to the project requirements.
- Test and deploy applications and systems.
- Maintain systems by monitoring operations and fixing bugs.

Function 2

Coordinate and collaborate with other members of the BPM team:

- Work closely with the development manager and solution architect to gain an initial understanding of the desired solution, and iteratively develop and refine the software to achieve a usable, high quality result.
- Cooperate with the graphic designer to match visual design intent of the application.
- Coordinate with other software developers when working as a group and take measures to ensure compatibility across the applications being developed in the team.
- Work effectively with the team to ensure the final product adheres to the predetermined scope and design.
- Be a productive member of a fast-paced agile team.
## Qualifications and Experience

### Educational background
Bachelors or Master degree in Computer Science, Engineering, or in a related field.

### Professional Experience and Knowledge
**Experience:**
- A minimum of 5 years’ experience in web application development.
- A minimum of 5 years’ experience working on all aspects of a web application as a full-stack developer using ASP.NET MVC.
- Experience in front-end development using jQuery, Vue.js, or other JavaScript frameworks.
- Experience in building responsive web interfaces.
- Experience in large scale system development is an asset.
- Experience in Agile development is an asset.
- Experience in QA (Quality Assurance) is an asset.

**Skills:**
- Proficient in C# with a good knowledge of the .NET ecosystem.
- Strong knowledge of the ASP.NET MVC framework, SQL Server and Entity Framework.
- Expertise in web fundamentals like HTML, CSS and JavaScript.
- Strong understanding of common web frameworks and libraries such as jQuery and Bootstrap.
- Understanding of design/architectural patterns such as Model-View-Controller (MVC).
- Familiar with code versioning tools such as TFS, Git or SVN.
- Knowledge of CSS pre-processors like Sass or LESS is an asset.
- Knowledge of JavaScript frameworks like Vue.js, AngularJS or React is an asset.

**Qualifications:**
- Understanding of application security and data protection.
- Skilled in all phases of the software development lifecycle.
- Ability to coordinate with other team members working as a group.
- Highly creative, motivated and detailed oriented.
- Highly organized with strong time management and multi-tasking skills.
- Interpersonal skills that create openness and trust among colleagues.

### Language Skills
**Essential**
- Fluent reading, writing and speaking abilities in English.

**Desirable**
- A working knowledge of a second language of the Organization (Arabic, Chinese, French, Russian, or Spanish).

### 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 extension.

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](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.