Assignment 4

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Question 1: 1. Find a job that will one day be your dream job. If you dream to be an entrepreneur, please provide details into the industry, job title, and scope of business that you aspire to be in. Copy and paste this job posting into the assignment submission

Answer: Software Programmer

Languages

English

Education

College/CEGEP or equivalent experience

Experience

3 years to less than 5 years

Specific Skills
Collect and document user's requirements and develop logical and physical specifications; Write, modify, integrate and test software code
Work Setting
Manufacture; Industry
Programming Languages
Visual Basic; Visual C++ / MFC; Object-Oriented programming languages; Java; C; C++; XML Technology (XSL,XSD,DTD); SQL; C#; .NET; Git
Work Conditions and Physical Capabilities
Attention to detail; Ability to distinguish between colours; Sound discrimination; Sitting; Combination of sitting, standing, walking; Tight deadlines; Overtime required
Work Location Information
Urban area
Computer and Technology Knowledge
TCP/IP; MS Windows; Linux; Internet; Device drivers; Networking software; Networking hardware; Networking security; Programming software; Software development; Desktop applications; Multimedia software
Personal Suitability
Initiative; Effective interpersonal skills; Flexibility; Accurate; Team player; Excellent oral communication; Excellent written communication; Client focus; Judgement; Organized

How to apply

Anyone who can legally work in Canada can apply for this job. If you are not currently authorized to work in Canada, the employer will not consider your job application.

By email:

jobs@auto-alt.com

Advertised until:

2018-06-30

Important notice: This job posting has been provided directly by the employer through Job Bank's employer job posting system. The Government of Canada has taken extra steps to make sure it is accurate and reliable but cannot guarantee its authenticity.

Question 2. Find a job that you are able to apply for as a co-op, part-time or full-time that is relevant to your field. This job posting will be used for your mock interview assignment Copy and paste this job posting into the assignment submission This should be a job that is attainable within your co-op term or immediately after graduation and relevant to your field

Answer: **Programmer/Developer** Yoush - Toronto, ON

Full-time, Permanent

Duration: 120 Days

Location: Toronto, ON

Yoush Consulting is an Information Technology consulting firm focused on IT system integration and software development practices. Yoush Consulting has been recognized by the prestigious Branham300 list of Top 25 Canadian ICT companies in 2014 and 2016; as well as the Top 20 Canadian ICT Movers & Shakers in 2014.

These achievements are due to our creative approach to problem solving, our commitment to excellence in customer service, and our extensive experience in managing IT projects.

We are looking for a Programmer/ Developer, Level 3 with below experience.

Objective and Scope

Road User Safety Program

The mandate of Road User Safety Program is to develop and support strategies for improvement of road safety and vehicle mobility through:

- education, enforcement and regulation of safe driving behaviour; and

- promotion of vehicle and motor carrier safety while striving to provide excellent customer service

The program also manages the driver licensing service, which issues permits to drive, in the form of a Drivers' Licence Card, to qualified Ontario residents. Key Priority Areas currently include:

- Road Safety: continue to improve road safety for all road users;
- Business Integrity and Modernization: uphold public trust and pursue change to meet clients' needs;
- Service Delivery Partnerships: develop relationships and oversight of delivery partners;
- Enhanced Public Service and Customer Satisfaction: provide quality products and services
- Horizontal Integration and Collaboration:

o support development of integrated and efficient products and services

o improved system integration (i.e. alleviating stress from primary databases)

Required Skills

Key Responsibilities include:

- Work with the Business and Systems Analysts to prepare detailed technical specifications and program code design documents as required.
- Create object-oriented models in UML as design artefacts using tools such as Power Designer.
- Provide assistance in preparation of the Test Plan for Unit and Integration testing.
- Develop/enhance program code using: Visual Studio C++ Managed Extensions, Visual Studio C++/CLI, .NET, C#, VB.NET, Fujitsu COBOL, HLLAPI, Windows Services.
- Modernizing legacy C++ code to Visual Studio 2015 Common Language Runtime.
- Prepare required documentation to fully outline and describe in detail, information pertaining to the development, enhancement and modernization of all programs and procedures for unit, system and production system support staff as required.
- Prepare unit test cases and perform unit testing.
- Test the system to ensure requirements of the implementation are met.
- Provide problem resolution support to database staff, system and user acceptance test teams, and other staff members.
- Co-ordinate system development activities and technical consultative support to other staff members.
- Provide knowledge transfer to ministry staff at all stages of this assignment.
- Support systems and user testing.
- Resolve defects as required.
- Prepare implementation package.
- Provide post implementation support.

Skill Set Requirments:

Knowledge of, and experienced with the following computing environments:

- Database: Mainframe DB2
- Operating Platforms: Windows 7 & Windows 10 (64 bit)
- Experience with Object Oriented Analysis & Design (UML – Use Case/Class Sequence/Collaboration/State)
- Experience in developing Windows workstation based applications using Microsoft Visual Studio 2015 and 2008, Visual Studio C++ Managed Extensions, Visual Studio C++/CLI, .NET, C#, VB.NET, Fujitsu COBOL, HLLAPI/EHLLAPI, Windows Services,
- Modernizing legacy C++ code to Visual Studio 2015 Common Language Runtime.
- Proven Experience with all stages of automated system implementation in large complex high volume Client/Server systems, with online Mainframe Transactions.
- Proven experience with fat/thin client-server application running on Windows and interfacing with back-end mainframe applications.
- Experience in structured methodologies for application development, design, implementation and maintenance.
- Experience with Road User Safety Solutions Branch architecture.
- Working experience with toolsets (Configuration/Builds: Harvest (or similar)
- Excellent problem solving, communication (verbal and written), and interpersonal skills.
- Experience with testing lifecycle (including integration testing): test case planning, preparation, documentation and execution
- Experience with the preparation and review of required program specifications, unit testing as well as other project deliverables and documentation.

Qualified candidates are encouraged to forward their resume and reach out directly to our IT recruitment director, Tim Lawlor (timl@yoush.com) or Gunjan Srivastava gunjans@yoush.com.

Question 3. Provide citations for the jobs you have found in a bibliography

Answer:

https://www.indeed.ca/viewjob?jk=2f26e226ba11d640&tk=1cf6eshgtag1ecp7& from=recommendedjobs&vjs=3