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# Horia Tudosie <sup>Mr</sup>

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## IT SKILLS

**Programming languages:** .Net, ASP.NET, C#, C++, C, VBasic, ASP, Delphi (1...7E,) Java, JavaScript, UML, HTML, XML/XSLT, ASP, ASPX.

**Databases tools:** XMLSpy, MS-SQL, VSS, Oracle, T-SQL, and ADO.

**Operating systems and environments:** SharePoint 7/10, Moss, WINDOWS 2008, VISTA, XP, 2k3, NT/200X, IBM ClearCase, ClearQuest.

**Solid backgrounds in:** Object-Oriented Programming and Analysis, Database technologies, GIS, Project Management, Web Services, AJAX, jQuery, COM/DCOM, GUI, VLC<sup>1</sup>, friendly user interfaces, designing, travel, accounting and business software.

**Excelent communication skills**, including project design documents and **Problem solving skills** with the ability to rapidly master new environments.

## EXPERIENCE

12+ Years experience with .Net, C#, VB.NET, XML, ASP, ASPX, UML tools.

Windows Applications, services, WEB pages, components and controls<sup>2</sup>, middle tiers, WEB Services, DotNetNuke portal.

15+ Years experience in OO, C, C++, Pascal, Delphi, SQL, Com/DCOM, and XML, and component design VLC, MS-SQL, Stored Procedures.

7+ Years experience with Java, Java Scripts and related.

5+ years experience in GIS Industry.

8 years experience in the Travel Industry. Executed and led multiple large IT project, communicated with travel vendors and clients, managed multiple teams geographically distributed (US, India.) Outsourcing projects.

2+ Years Experience with SharePoint 2008/2010, Silverlight, JQuery.

Long/good exposure to Agile/Scrum technique as a Team Leder.

Strong Windows programming skills, including experience with large code bases, complex data structures, and a variety of development tools. Exhibit meticulous attention to detail, and commit to producing accurate and high-quality work. Handle complex problems effectively. Separate key issues and generate multiple solutions. Full of initiative, team player. Can handle full life cycle of the project. Good communication, presentation and technical writer skills. Can work with minimum supervision. Result oriented.

## EDUCATION

**Polytechnic University of Bucharest.**

**Diploma of Master of Science.**

Majored in Computer Science and Automation Engineering.

**Master thesis:** "An algorithm for generating test patterns for VLSI devices" – mark 10 (max.)

**TURBO SABRE** – American Airlines – Dallas.

**SabreScribe** – Sabre – Washington.

26/06/2009

**SharePoint HQ** – Advanced SharePoint Training.

22/05/2009

**SharePoint HQ** – Advanced Workflows.

15/04/2010

**SenecaC** – (Business) Communications.

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<sup>1</sup> <http://www.pathcom.com/~horiatu/delphi.htm>

<sup>2</sup> Code Project references: <http://www.pathcom.com/~horiatu/Tutorials.htm>

**WORK HISTORY**

- 12/2011– Now **Bookata.com – StartUp/Co-owner**  
 Position: Lead Developer/Code Administrator  
 Acquiring **New Skills**: AZURE, .Net MVC, jQuery, OpenSource Frameworks (Castle, NHibernate, NVelocity,) NuGet, BitBucket, GIT Bash, etc.
- 11/2007–12/2011 **Orion Technology - A Division of Rolta Canada Limited**  
 Position: Senior Developer – Team Lead  
 Duties: Architecture, design, develop and document OnPoint module as needed. Work closely with the testing and documenting departments to ensure all life cycle of the products. Provide leadership to junior developers  
 Accomplishments: Developed **Silverlight 4.0 GIS/ESRI solutions (MVVM)**  
 •Developed WebParts and features for **SharePoint/SP Designer (7/2010,)**  
**ECMAScript Model (SP.js,)** **OpenLayers**, InfoPath, WSS 3.0 and MOSS 7 to bridge data and UI interfaces/ User Controls to/from the OnPoint geo-spatial data web application using **AJAX, JavaScript**, Web Services (**WCF,)** C# and URLHandlers  
 •Created lage SP UI to display data from SP Lists accros multiple sites, **workflows, localization** and flexible styling, custom user controls and web parts  
 • R&D for **WCF/WPF<sup>3</sup>** and Silverlight/Blend, **Ajax/JQuery**, SharePoint/OnPoint **Web Parts**  
 •Developed the OnPoint **SDK** - graphical objects, exemples, manuals and animated demos  
 • Architected and developed **Charts** and Table Editor Frameworks for SWAMP project (green project in Florida using OnPoint geo-spatial data)  
 •Provided leadership for setup to a team of developers from India  
 •Developed with **Agile and Scrum** methods
- Note In 2007, Dundas has been aquired by Microsoft and the developers' department had to be relocated and rehired in Seattle. After **successfully** passing all screening tests/interviews and signing a very fulfillmentment contract, I had to decline the offert due to family reasons (Laura Isabella – born 2008.) After the acquisition, Dundas was not permitted to hold another development department in my fields of expertise.
- 5/2006 –11/2007 **Dundas Advances Data Visualization for Microsoft® Technologies**  
 Position: Senior System Developer  
 Duties: Architected and developed APIs and Middle Tiers for complex Web Application using **WCF** and **Sql** Databases **for Microsoft** – MOM/SCOM project  
 Accomplishments: Designed and implemented **API** for WCF interface toward multi-client distributed Web Console  
 • Designed and implemented **Middle Tiers** – object model and data layer based on MS-SQL 2000, Transactions (DTC,) stored procedures, intergrity constrains, indexes and triggers  
 • Used MOM Services, **Instrumentation services**, and Temporal Caches  
 • Designed and applied **data security and encription**  
 • Used programming patterns as Factories, Journals and Visitors (object model totally seaprated from the data storage)  
 • Documented projects' architecture and design stages using **UML** methodology. Documented code using NDoc. Validated code using **FxCop**, Code Analysis and other MS code-validation tools (internal)  
 • Designed Web and Windows application for testing and debugging the designed objects  
 • Created **NUnit Tests** for project validation and acceptance  
 • Used Dundas Charts and other company's flagged data visualization products  
 • Developed specific Web Components for internal test web pages

<sup>3</sup> [http://www.codeproject.com/KB/WPF/Pick\\_Fashion.aspx](http://www.codeproject.com/KB/WPF/Pick_Fashion.aspx)

- 11/2003-5/2006 **TravTech Inc.** (part of **Omega Travel Inc.**) - Fairfax USA VA (Travel Industry)  
**Position:** Computer System Analyst  
**Duties:** Analyze, design and develop innovative systems using Internet  
 • Responsible for the development of complex Web-based software systems for solving technical and business issues • Provide user requirement definitions and integrate software designs into existing client computer systems • Responsible for **Quality Assurance** systems, engineering, testing and integration • Responsible for Internet **usability** analysis, design and development, e-commerce functionality • Created and maintained database and systems architecture  
**Accomplishments:** Analyzed and designed .Net components for accessing **Sabre, Galileo** and other travel **WEB Services** and integrate Web applications using software **patterns** methodology • Developed various .Net components and controls for Windows and Web **GUI**, using **C#** and **JavaScript**  
 • Developed **UML** specifications for Web Security and **Middle Tiers**; implemented with **C#** and **VB.NET** • Designed graphical ASPX Web pages for data illustration (Bar and Pie charts) in **ASP.NET** Web Pages with asynchronous server-calls from client JavaScripts (**AJAX**) • Developed reports with **MS Report Services** and secured with Form Autentication, and **MS-SQL 2000** database • Developed Web Pages using XML and SQL data from Web Services with **XSL** Schema Transformations • Web Services and Middle Tiers with Web Services/**multi-threading** pools • Database based **tracking system** for Web Services access • Designed database structure and stored **procedures** for above data layers with MS-SQL 2000 • Developed Windows Test applications for above • *Sedona*<sup>4</sup> - application for interfacing **GDS** travel systems with script engines (**Delphi, JavaScript, Python, VB Script, and Pearl**) providing macro-scripting for travel agents and agencies
- 12/1998-11/2003 **SkyLink Travel Inc.** - Canada (Travel Industry)  
**Main activity of the company:** Canadian-based Multinational Travel-Air Management – Travel Consolidator  
**Position:** Computer System Analyst • Database Architect  
 [◀ Network/Database Administrator ▶ Programmer (progressive position.)]  
**Duties:** Design, architecture and development of new software products.  
**Accomplishments:** Multi-Network Distributed **Client/Server** Database Interrogation System (**MSSQL 7, Com/DCom**) • **T-SQL Store Procedures** that uses external DCom objects and returns data in SQL record sets • Built **Excel**-driven In-Bulk Data-Entry programs for Ratelink Database (Delphi, Java, and MSSQL 7) • Database Web-Server (ASP, ISAPI) performing: Login/Validate - Update/Modify users, and **Text-to-Speech** results • Database to Text and ASP-HTML Reports for Aviation Ticketing Systems: **Sabre** (API,) **Galileo** (DDE,) **Amadeus** (Script BASIC) - implemented in Client/Server COM/DCOM  
 • Managed projects to interchange DCOM data from Ratelink to **Lucent IVR** system (voice/phone) and Sabre-Consolidator • Solved connectivity to SABRE and Galileo through TCP/IP, DCOM and XML – created components, **terminal emulators** and **automated data loaders** • Added Macros/Function Keys to terminal emulators using the **Microsoft Scripting Engine** (VBasic Script and Java Script) • Managed a combination of 2000/NT/95/98/3.11 – Ethernet/Token-Ring local and WAN networks<sup>5</sup>

<sup>4</sup> <http://www.pathcom.com/~horiatu/download/Sedona.pdf>

<sup>5</sup> <http://www.pathcom.com/~horiatu/Wan.htm>

- 8/1997-12/1998 **Amano-Blick (North America) International** (Workforce Attendance)  
 Main activity of the company: Provide high-end integrated Workforce Management Systems consisting of Time and Attendance, Labor Distribution, Shop Floor Data Collection, and Access Control components  
 Position: Senior Software Developer  
 Accomplishments: Developed the Report Writer<sup>6</sup> and Badge Maker printer modules for the TruTrack™ product • Generated Documents/Reports in MS-Word/Basic from **Delphi** using **OLE/COM** • Developed Delphi components • Developed Premium Zones and Warning Attendance Control subsystems in TruTrack • Touch-Screen data entry on **Windows CE (MS-VC++)** • OLE/COM/DDE Excel-Delphi
- 5/1995-8/1997 **SkyLink Aviation Inc. Group of Companies** - Canada (Travel Industry)  
 Position: Programmer/Analyst-Developer, **Network/Database Administrator**  
 Accomplishments<sup>7</sup>: Developed from scratch new business applications for the company • Administrated 49 computers on a NOVEL 3.12 network at the headquarters • Backup • Fax-Broadcast – daily operations, reporting applications (Delphi) and management • RateLink™ database of travel fares to feed other systems: **Sabre, Voice, Galileo, Apollo (FocalPoint** - client/server solution) • Telephony/Voice Ticket-Prices Database (Delphi) • Fast retrieval database system for **hotels** in America and Europe (Delphi) • Computer hardware/ software inventory system on the network (Delphi) • Flight Operations Maintenance database (Delphi) • Broadcast screen saver (Delphi, HTML, BDE - Intranet ad-hoc solution)
- Before 1995 **Software Research Institute of Bucharest** (SITC SA) - Romania  
 Projects: Tools for creating/converting fonts for screen and printers using **C++**  
 • General.Lib - useful functions and procedures for **Paradox 3.5** and the ToolKit  
 • **C++** driver for national font loader • Analyzed and Implemented Data Entry Applications for an Exchange Office using **C++**, **ASM** and **Paradox Engine**  
 • Managed staff and equipment selection, writing lessons, training, advertising, network installation at **LOTUS Training Center**
- **Dacia Factory (Auto Industry) - Pitesti**  
 Main activity of the organization: Car manufacturing  
 Position: Database Architect  
 Project: Inventory Management and Reporting with **Paradox**
- **Main Electoral Center in Romania - Presidential Elections**  
 Position: Computer programmer and consultant on computer networks  
 Project: Distributed set of programs for **general elections** using *my* Romanian version of **Lotus 1-2-3**
- **The Computer and Electronic Government Department** - Romania  
 Main activity of the organization: Interface between the IT Industry and the Romanian **government**  
 Position: Software/Hardware engineer  
 Projects: Software package for the management of an industrial group • T-B-L – Romanian version of **LOTUS 1-2-3** - tools for decoding, editing, re-encoding (DEBUG, **ASM, C** and **Turbo Pascal**) • Hardware/**Firmware** fonts in a dot-matrix printer (**C++**)

<sup>6</sup> <http://www.pathcom.com/~horiatu/repgen.htm>

<sup>7</sup> <http://www.pathcom.com/~horiatu/myprog.htm>

- **Polytechnic University of Bucharest + ICE-Felix + CCSIT.CE** - Romania  
 Main activity of the companies:
- BU - The Department Of Computer and Automation Engineering
  - ICE-Felix - Electronic Computer Factory - Department of Design for Microcomputers
  - CCSIT.CE - Research Institute for Semiconductors and Electronic Components
- Position: Hardware/Software Engineer • Professor Assistant  
 Projects: Multi-terminal Data-entry Concentrator - implementation, software, testing  
 • **Winchester Disk Controller** – hardware/firmware design and **PC boards** • Test and validation software using an HP-Digital Analyzer • Hardware/Firmware for testing/validating **Sinclair** computer clones  
 • **Labs and Seminars** with students at University

#### OLD/OTHERS SKILLS:

**Java/Eclipse, Android, RIM,**  
 ASM, Interbase, Paradox, dBase, IDAPI, BDE, QBE, Fortran, **Forth, Spice,**  
 Windows CE and NOVEL

#### SPOKEN LANGUAGES

English, French, Romanian

#### OTHER ACTIVITIES

##### PUBLISHED BOOKS

"Personal and Professional Computers for Beginners" - Bucharest 1993  
 "Lessons for 1-2-3 ver. 4 for Windows" - Bucharest 1994 - SITC  
 "Programming in Paradox 3.5 using the ToolKit" - Bucharest 1994 - SITC

##### PAPERS

"1-2-3 Lab" - **PC Word** Romania 1/994-9/1994 (9 issues)  
 "Paradox Lab" - PC Word Romania 1/994-9/1994 (9 issues)  
 "WP 5.1 Tips and Tricks" - PC Word Romania 1/994-9/1994 (5 issues)  
**Code Project - Gold Member No. 1273875** – article links from:  
<http://www.pathcom.com/~horiatu/Tutorials.htm>

##### TEACHING ACTIVITIES

**Digital Design** - Polytechnic University of Bucharest  
 Pascal, Paradox, WordPerfect, System Maintenance for computer non-professionals

##### HOBIES

**Horia's Spots** - Visualization module for **RealPlayer** using **NeuralNetworks** in **C++**:  
<http://www.pathcom.com/~horiatu/HoriaSpots/HoriaSpots.htm>  
**Matematics and Signal Analysis** experiments:  
<http://www.pathcom.com/~horiatu/FFTtest.html>  
 N-Dimensional spaces, Strings and M Theory  
 Find me also at: <http://www.quora.com>

#### REFERENCES

Available at  <http://www.linkedin.com/in/horiatu>

