**E. Thomas Karasch III – Software Developer**

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**Professional Experience**

**11/2015 – 1/2017 Owner and Software Engineer, TomTek Development** [**www.tomtekdev.com**](http://www.tomtekdev.com) **Roswell, GA**

Consulting company specializing in Small Business Web and App development, Network Client/Server and Databases.

**3/2016 – 11/2016 R&D Software Developer, Horizon Software Corp.** [**www.horizonsoftware.com**](http://www.horizonsoftware.com) **Duluth, GA**

* SDLC of [**One** **Source**](https://www.horizonsoftware.com/k12schoolnutrition/onesource/home) application software: Visual Basic .NET, Agile/Scrum, Entity Framework, SQL Server and TFS.
* Created non-modal print forms for [**One** **Source**](https://www.horizonsoftware.com/k12schoolnutrition/onesource/home), Crystal Reports in a strictly modal program.

**9/2006 – 11/2015 Software Engineer (full-time at home 2007-2015), SQData Corp.** [**www.sqdata.com**](http://www.sqdata.com) **Roswell, GA & Dallas, TX**

* 2012-2015: Engineered and Developed Web replacement of VB.NET app for Full Stack LAMP environment and Web Help.
* Developed a 250,000+ line VB.NET application for internal and client use, multiple versions of IDE, Database and Help.
* Built HW/SW Workstations, servers, and network (Win XP, 7 & 10), MS Access, MS SQL server, Oracle, DB2 and MySQL.
* Deciphered SQL server transaction log by writing a program to help. Used for CDC and ETL processing.
* Multi-Versioned VB.NET App for a third-party vendor, including all graphics and Help files.
* Added LaSalle AddFlow wire diagramming for VB.NET and LAMP for ease of understanding and CDC/ETL diagramming.
* Installed and configured new full-featured phone system in Atlanta Office. (now shutdown)

**6/2002 – 9/2006 PC and Network, Construction Inspection, Self-Employed/IT/Mgmt. Albany, NY and Atlanta, GA**

**IT**: Installed new servers and POS for Applebee’s Restaurants; Built tax office network; Law office IT; Custom PC builds.

**Other**: Restaurant Manager Marietta, GA 6yrs; Construction Inspector RPI Bio-Tech Center Troy, NY 6mo.

**6/1999–6/2002 PC/LAN Admin/Support, Railcar Mgmt./G.E. transportation** [**https://www.getransportation.com**](https://www.getransportation.com) **Atlanta, GA**

* Updated all PC hardware and software during 30% increase in company revenue and Y2K conversion.
* Purchased, Built, Installed, Maintained, asset Managed all company PCs/Laptops for WinNT/Win2000 network.
* Network Admin: MS Exchange, MS SQL7, Intranet, Internet, AS/400, VPN, Novell, TCP/IP, Win98, Win2000, etc.

**1998–6/1999 Computer Consultant, Excel Technical Services** [**www.excelsearch.com**](http://www.excelsearch.com) **Atlanta, GA**

* 1/99 to 5/99 System Admin for Quintiles, Inc. Atlanta Office. Normally staffed by 2 people.
* 1998 PC/LAN support: Novell, SMS, NT, Ethernet, Token-Ring, RAS, VPN. Merck, Nextel and State of Georgia.

**1996–1998 Computer Consultant to Mobile Solutions of MCI, Comsys Technical Services Atlanta, GA**

* Completed UAT ThinkPad 380 laptops, national deployment of Seibel Sales software at 8 US sites.
* Completed UAT, Pilot and Internet deployment of MS Office 97, e-mail conversion and DHCP nationwide.
* Upgraded all laptops company-wide from Win3.11 to Win95 and all e-mail to Outlook (approx. 6000 nationwide).

**1993–1995 Project Manager, Estimator, Field Inspector, Laboratory Manager, Draftsman, Surveyor** for various General Contractors, Engineers, Testing Laboratories and General Contractors in **Albany, NY and Syracuse, NY**

**Professional Skills**

**Software Development: IDE:** MS Visual Studio 2003-2017, Eclipse, Aptana. **Current Languages (years):** OO (10+), Visual Basic.NET/ VB.NET (10+), ODBC (10+), HTML( 10+), XML (10+), SQL (10+), API (10+), AdFlow (3+), CSS (3), JavaScript (3+), PHP (3+), dHTMLx(3+), SOAP(3+), RESTful(3+), JSON(3+), AJAX(3+), jQuery(3+), Entity Framework EF (1+), Crystal Reports (1+), C# (1), ASP.NET (1), MVC (1), Azure (1), Bootstrap (1), Razor (1) **Databases:** SQL Server (10+), MS Access (10+), MySQL (4+), Oracle (2+), DB2 (2+) **Older Languages:** BASIC, Pascal, C, COBOL, Fortran 77, VAX Assembler, Lisp, Prolog. **Version Controls:** TFS, Git, SVN

**Software SDLC:** Agile/Scrum, Design, Development, Programming, Integration, Deployment, Documentation, Training and Support.

**Management:** Project Management, Product Management, Personnel Management, Business Management.

**Hardware/OS:** PC, Server, Laptop and Network. MS Server OSs, Exchange Server, SQL Server, MS IIS, Apache Server, MS ISA Server, Mail, Ethernet Network Hardware and configuration: TCP/IP, DNS, DHCP, WINS, VPN, Novell, Router configuration and Domains.

**Workstation Software setup and use:** All Windows workstation operating systems, Office Suites, Graphics Suites, Accounting, Sales, Law Software, Messengers, Terminal Emulators (3270, Unix, AS/400, etc.), Multimedia/HW interfaces, Drivers.

**Network Admin:** Windows NT, 2000, 2003 Server/Network admin: Active Directory AD, Installs, VPN and Dial-in. Novell Networks.

**Education and Training**

**Currently Training (no pro. experience):** ASP.NET/ C# for MCSD, Also: Angular.JS, Node.JS **1999–2003** MCSE (Win2000) and CCNA.

**1995–1996 SUNY at Cobleskill, NY** \*\**see note* **B.Tech.**, **Ag.Bus./IT** \*\*All required credits earned, IBM Internship approved by advisor and Dean. Degree denied after the fact because internship was “Not Agriculturally based.” (Dean and my advisor had retired)

**1992–1994 SUNY** Undergraduate Computer Science. **Albany, NY**

**1985–1988 Clarkson University** Undergraduate Civil Engineering and Computer Science.  **Potsdam, NY**

**1984 Cobleskill HS, Regents Diploma and scholarship Cobleskill, NY**

**1982–1983 Rotary Club International Exchange Student to Maungaturoto, New Zealand (1 year)**