
Professional

RESUME

R I C H A R D W I N T E R S
4 0 M O R G A N A V E
A P T 1
O N E O N T A , N Y 1 3 8 2 0
[R I K @ M M O G P . C O M](mailto:RIK@MMOGP.COM)

R I C H A R D W I N T E R S

40 Morgan Ave, Apt 1, Oneonta, NY 13820
rik@mmogp.com

Professional Summary

I am a professional software engineer with over 10 years of combined work and freelance experience. My passion has always been C/C++, and I am knowledgeable and experienced with C#, LUA, PHP, Java, HTML, CSS, JavaScript and SQL (Oracle/MS). I write for Linux and Windows systems primarily, and have built various server/client applications both for gaming and productivity. I am equally capable with SQL and have years of experience building database-driven applications. I have worked with .NET to varying degrees, and my current itch is with Node.js - for which I have created several free and open source technologies.

I have thorough knowledge and experience with Agile Development Methodologies such as Scrum, and I am proficient with various Source Control technologies such as TFVC (Subversion) and Git.

I have experience working as part of a team, as Scrum Master, leading a team, and have acted as Development/Product Manager.

PROFESSIONAL EXPERIENCE

Smoker's Choice USA • Rock Hill, NY 12775 • September 2013 - December 2014

Smoker's Choice USA is a large retail tobacco chain which runs primarily along the North East and Eastern Coasts of the United States, with a headquarters in Rock Hill, NY. SC Choice MGMT Corp is the parent corporation, which fathers FasTrax POS LLC; One of the most popular tobacco and lottery oriented Point of Sale Systems in the US, mostly due to their one of a kind inventory management and lottery reconciliation, which reflects real-time data and accurate counts.

Senior Developer / Consultant

Responsibilities include:

- Report to the Vice President and President, investigate potential issues with code base and cause of issues with existing products.
- Analyze current technologies, trends, and user feedback; create a plan of action for developing new - and making improvements to - other software(s) in order to help the company grow.
- Hire, Mentor, train, lead and review development team members actively and efficiently. This includes enforcing OOP methodologies, documentation and organization, and ensuring integrity and efficiency of code.
- Write, test, and debug code/software.

Milestones:

- 'Updated' the development department, which was still utilizing .NET 2.0 (vs2008) and other very old and insecure technology. We were building an innovative - real-time - software using Node.js and C++.

- Discovered issues with code and development, and was given the 'go' to re-write their current POS as a 'minified' hosted software using newer technologies.
- Wrote a retail analytics application that reveals customer trends and offers such data via API to participating partners. This won us a large contract with Imperial - an extremely large tobacco company.

Directive Technology Inc • Oneonta, NY 13820 • July 2012 - September 2013

Directive Technology Inc., is a managed service provider that specializes in IT Management, Web Design, and Web Integrations. They are most known for their product JoomConnect, which provides complete integration between the ConnectWise PSA and a Joomla! Website.

Development Manager

Responsibilities include:

- Report to the CEO, oversee daily activity of the development department.
- Work with the CTO to keep up with current technology and best practices.
- Hire, Mentor, train, lead and review development team members actively and efficiently.
- Manage the JoomConnect project.
- Work with the Support Manager to respond to bug reports, requests, and resolve open tickets.
- Write, test, and debug code/software.

Milestones:

- Conceptualized and implemented a new work-flow using ConnectWise for the support and development teams.
- Implemented and maintain a company standard for writing code.
- Introduced Microsoft Products for software development/ALM and provided training.
- Introduced Agile Development Methods and provided training.
- Approved to rewrite the JoomConnect software, reducing redundancy by over 41%.
- Established a documented and managed code base for the JoomConnect software.

Edison Computers Inc • Oneonta, NY 13820 • March 2004 - Jan 2007 | May 2010 - March 2011

Edison Computers Inc. is a computer consultant & repair business. They build New & Used PC's, P.O.S & Business Systems, and repair all brands & models. Edison Computers also does electronics recycling, web hosting / design, and on-site services.

Computer Technician

Responsibilities include:

- Write repair estimates.
- Perform repairs (OS Wipe/Reloads, Virus / Spyware removal, Soldering).
- Perform installations (Running cables, install PC/P.O.S./Surveillance components.)
- Collect recyclable electronics.

Milestones:

- Worked with the CEO to implement a new work-flow for the company using ATREX.
- Participated in county events, such as the House-hold Hazardous Waste Day.
- I was sub-contracted to Hartwick college for the beginning of the 2010 School year as a representative of Edison Computers, to work in their Technology Department and assist with repairs, support, and mentoring.

Rkitek • Unadilla, NY 13849 • Feb 2007 - Feb 2009

Rkitek focused on Business / Organization solutions including Vinyl Signs, T-Shirts, Surveillance, P.O.S., Wireless Networking, and Computer Repair. Rkitek had a kiosk in the South Side Mall where they operated a retail business selling cell phone accessories, vinyl products, and screen printing.

Owner DBA

I started the business in February of 2007. Responsibilities include:

- Oversee and operate the store front.
- Manage inventory, advertisements, marketing.
- Hire, train, and manage employees.
- Perform installations of vinyl products, surveillance equipment, POS Systems.
- Perform repairs on client laptops and PCs.
- Perform retail sales and customer service.

Milestones:

- Averaged \$2300.00 in gross income weekly between April of 2007 - April of 2008.
- Handled P.O.S. & Surveillance Solutions for businesses all over the area, as far out as Albany, NY.
- Sponsored several college fraternities and businesses (locally) for various events such as the Canoe Regatta and the Softball Leagues, by providing Team Jerseys, Stickers, Banners, and other marketing materials.

EDUCATION

DeVry University, Game and Simulation Programming (C++ Focus)
General, Music, Unatego Jr. / Sr. High School, Otego, NY
GED, Arizona Dept. of Education, Apache Junction, AZ
IC3 Certification, Certiport.com, WWW, NY

APPLICATION ADDENDUM

I've always tried to be innovative, and I'm known for making bold decisions. I am a fast learner and consider myself a fluent programmer in general. My understanding of concepts allows me to dive into new technologies with ease.

I'm also passionate about games and I've worked with DirectX, OpenGL, WebGL, GLSL Shader technology, CEGUI, LUA Scripting, Building LUA Scripting Systems for games, Server/Client networking, and on both Windows and Linux systems.

I currently run Linux full-time (Debian) and am experienced with autotools and debian packaging. I'm a member of the Debian High-Availability maintainer team, and am also the maintainer of the RapidSVN package for Debian - as well as a member of the RapidSVN developer team.

I haven't done much mobile development personally, but am familiar with the environment and the tools and have built various applications.

Database-driven applications are a given in this day-in-age; so you can count on the fact that I'm knowledgeable and experienced. I've written a native add-on for Node.js which wraps the MySQL C++ connector. In the future it will allow both NoSQL and conventional SQL - that is, when MySQL releases their Memcached entry point. It's also cross-platform. It's quite innovative and you can browse my work within that repository too. <https://www.npmjs.com/package/nk-mysql>

Lately I've been working with Node.js and WebGL. You can see all my Node.js packages at <https://www.npmjs.com/~rik>

I authored an MVC framework for Node.js, which a conceptual copy of is available on my servers at <https://code.mmogp.com/mmod/nk-mvc>. It utilizes the MySQL module for Node.js listed above, as well as my original toolset, nodakwaeri (nk): <https://code.mmogp.com/mmod/nk>.

The framework takes inspiration from both PHP and .NET, providing a unique experience which is both simple and powerful. It comes with an original scripting language for helping with theming an application, plus all the tools one needs to build a feature-rich application.

I used the framework to develop an original application that I've termed an XRM, or (X)Cross Relational Management system. In its simplest form it is a project template which contains facilities for managing the most basic aspects of an application, but it can become a simple web application, a CRM, a CMS, or anything you can imagine. Developers are expected to extend the system, and I plan to offer a market where extensions can be browsed and installed.

It is not 100% complete, but I'd love to demonstrate what I have for you (what is available online at this moment does not represent its current local state by any means), and perhaps walk you through some of its core code so you can see just what I am capable of.

- Rik