

Richard Stam – Résumé

October, 2007

This résumé is a summary of my qualifications, skills, experience, and history as a software developer and student. For further information, please visit www.rickstam.com/Resume, or contact me at rick@rickstam.com. Thank you for your interest in these pages.

Name: Richard Scott Stam
Born: San José, Costa Rica
Citizenship: Costa Rica and USA (dual)
Languages: Bilingual English and Spanish, some German



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Lived and worked in:
San José, Costa Rica
Long Island, New York, USA
Hoboken, New Jersey, USA
Santa Rosa, California, USA
Karlsruhe / Freiburg, Germany
Miami, Florida, USA

INTRODUCTION

Due to all the advances in the software technologies and the qualifications that software developer positions now require, I recently took some time to dedicate myself to studies again. Since I hadn't yet finished my college education, and now had the opportunity to do so, I chose to (finally!) finish my degree and recently graduated with a B.S. in Computer Science from Florida International University (GPA 3.9+).

My current interest is in the development of business / enterprise applications using the Microsoft .Net platform, primarily using ASP.Net, C# (or VB.Net), JavaScript, CSS, and MS SQL Server. In more general terms, they would follow an n-tiered architecture (and SOA principals), use an object-oriented domain model (custom business objects), and would ideally provide a database server independent data access layer (via NHibernate, DLinQ, etc.). I also enjoy working with SharePoint and DotNetNuke Portals. This type of work would also allow me to further my experience with technologies I've been studying, such as XML / XPath / XQuery, Web Services (WS-*), AJAX, WCF, LINQ, WPF, SilverLight, etc.

What would probably give me my best competitive advantage in .Net programming is the understanding of the fundamentals behind the languages, as compared to a language's particular syntax. For example, I'm very comfortable with the concepts of OOP, reflection, generics, serialization, persistence, concurrency, threading, event handlers, delegates, collections, and complex data structures. These programming fundamentals apply equally to the Java world, and I have done projects using JSPs, servlets, Apache, Tomcat, mySQL, and Hibernate on Linux, but I would still have more of a learning curve in full J2EE projects.

Most of the systems I have previously been involved with have been for business administration, manufacturing control (ERP), and financials. They include accounting, accounts receivable, payroll, financial analysis, inventory, and production control (WIP). The clients have been apparel industries, banks, loan brokers, import-export, automotive retail, professional associations, and accounting firms, among others.

SUMMARY OF PROFESSIONAL SKILLS

Software Development and Systems Management:

Most Recent:

Enhancements to a Loan Trading system using ASP.Net, C#, and MS SQL Server
HTML, DHTML with advanced JavaScript and CSS, extensive DOM, and some XML
MS .Net Framework 1.1. and 2.0, MS SQL Server 2000 and 2005, Enterprise Manager
MS Visual Studio 2003 and 2005, advanced ASP.Net debugging, and Crystal Reports
MS SharePoint installations, administration, site and custom web part developments
DotNetNuke (ASP.Net open-source portal) installations, administration and development
Installation and management of hardware and software infrastructure for development
Extensive OOP studies in Java and Windows development in C++ and Visual Basic.Net
Web development in Java: JSPs, servlets, NetBeans, Apache and Tomcat configuration
Special interest in SOA, database systems, object-relational mapping, and data mining

Previous:

Development for integrated financial and manufacturing control (ERP) systems
Programming languages used: C, COBOL, RPG II, compiled BASIC, and FoxBase+
Some low-level programming: interrupt handlers, BIOS, DOS, and Win32 API calling
Installation of operating systems: DOS 1.0 to Windows Vista, Mac OS 9 / X, and Linux
In-house installation of MS Servers: 2000 - 2003 domain based LANs and workgroups
Extensive PC hardware setup, trouble-shooting, component replacements, and upgrades
On-site system evaluations, enhancements analysis, and software upgrade follow-up

Training, Supervision, Support, and Other Skills:

Supervision and support for other programmers (primarily in C, COBOL, C#, and VB.Net)
On-site training of operators and support for business and manufacturing systems
Support for weekly payroll and production control processing for apparel industries
Assisting top management in the analysis of production control procedures and reports
Knowledge of accounting: general, accounts receivable, inventories, cost accounting, etc.
Taught community education of basic web page development (HTML) and Office 2000
Good communication skills, bilingual English / Spanish: verbal, written, translations

EDUCATIONAL HISTORY

(Transcripts are available at www.rickstam.com/Resume)

Florida International University - 2003 to 2007

Degree: B.S. Computer Science with Highest Honors (GPA 3.935)
University Park Campus, Miami, FL 33199 www.fiu.edu

Miami-Dade College - 2000 to 2002

Degree: A.A. Computer Information Systems with Honors (GPA 4.0)
Wolfson Campus, 300 NE 1st Ave, Miami, FL www.mdc.edu

Instituto Tecnológico de Costa Rica - 1987 to 1988

Program: Ingeniería en Administración Agropecuaria
Sede Central, Cartago, Costa Rica www.itcr.ac.cr

Universidad Autónoma de Centro América - 1983

Program: Computación Administrativa
Colegium Magister, San José, Costa Rica www.uaca.ac.cr

Stevens Institute of Technology - 1978 to 1979

Program: Engineering Core Curriculum
Castle Point, Hoboken, New Jersey www.stevens-tech.edu

The Stony Brook School - 1974 to 1977

Degree: Honors High School Diploma and Cum Laude
Stony Brook, Long Island, New York www.sbs.pvt.k12.ny.us

MEMBERSHIPS AND AWARDS

Phi Kappa Phi Academic Honor Society – Florida International University 2007

Outstanding Undergraduate Academic Achievement Award – F.I.U. 2006

The Cum Laude Society – S.B.S. 1977 and F.I.U. 2007

National Scholars Honor Society – F.I.U. 2005

WORK HISTORY (summarized for timeline)

Independent Consultant / Developer , Miami, FL 2005 to current

Miami-Dade College, Wolfson Campus, Miami, FL 2001 to 2002

Miami Rescue Mission, Industrial Division, Miami, FL 2000 to 2005

Computación Creativa S.A., San José, Costa Rica 1997 to 1999

Independent Software Consultant, Costa Rica 1996 to 1999

Exactus S.A. (formerly SPS Software S.A.), Costa Rica 1988 to 1996

Prodata S.A., San José, Costa Rica 1980 to 1986

Agencia Datsun (Nissan) S.A., Costa Rica 1978

SUMMARY OF WORK EXPERIENCE

Independent Consultant / Developer - 2005 to current **Miami, FL, USA - www.rickstam.com**

During my studies at F.I.U., I also had the opportunity to do independent consulting and development. The primary client I worked for develops custom systems for the financial sector in the Miami area, as well as other services for clients in Mexico and Central America.

The work was mostly on a loan trading system developed in ASP.Net using C#, Visual Studio, advanced JavaScript and DOM functions, CSS, MS SQL Server, Enterprise Manager, and Crystal Reports. In several cases we used MS Office automation, such as generating Excel files from the system's data, modifying Word template documents via XML, and using ActiveX instances of Internet Explorer to perform program controlled web browsing. The system runs as an intranet application accessed via VPN from Miami and El Salvador.

I also provided SharePoint consulting, including site and custom Web Part developments. Most recently, I've been involved with them in updating our skills regarding SharePoint 2007: learning the new core functionalities, portal options, new custom development model, and site customizations using SharePoint Designer.

Position: Web Page and MS Office Instructor **Miami-Dade College - 2001 to 2002** **Department of Community Education, Wolfson Campus** **300 NE 1st Ave, Miami, FL 33132 – www.mdc.edu**

This position involved teaching short community education courses in microcomputer technologies. The primary course assigned to me was Web Page creation using Netscape Composer. The course covered basic HTML, using Composer's WYSIWYG environment, tables, forms, frames, uploading and maintaining the site on the server, as well as an introduction to basic scripting and the use of prefabricated Java applets. I also taught the Microsoft Excel (Level I) course on one occasion.

Position: Donation Center Assistant **Miami Rescue Mission, Industrial Division - 2000 to 2005** **2159 NW 1st Court, Miami, FL 33127 – www.miamirescuemission.com**

Working part-time for this non-profit organization provided my sustenance when I moved to Miami and continued with my studies. The position covered all aspects of the receiving and warehouse operations of the donation center. I also participated in testing donated computer equipment, setting it up for our office use, and was involved in giving them support for the development and maintenance of their web site.

Position: Computer Training and Support
Computación Creativa S.A. - 1997 to 1999
San José, Costa Rica

Among other projects, I consulted for this start-up company. It was dedicated to providing secretarial and graphic arts services to a local university, as well as to the public in general. I helped them analyze their computer options, did most of the hardware and software installation, trained them in the software use, and provided them with continuing support. I also often participated in their work load, especially in projects involving numerical and statistical calculations and graphs. We also did many English/Spanish translations.

Position: Senior Software Developer
Exactus S.A. (formerly SPS Software) - 1988 to 1996
San José, Costa Rica - www.exactus.com

Exactus S.A. is a regional leader in software development. Their main product, Exactus Impulso, is an integrated administrative and manufacturing control system. It has been the system of choice for many of Costa Rica's major businesses and industries, and they have also entered the markets of Mexico, Central America, and South America. The company has won many national awards as well as growing international recognition.

My participation consisted in the development of a very flexible ad-hoc statistical analysis and reporting system, as well as development for the purchasing module. Other systems which I developed or worked on were for a national bank (Banco Nacional de Costa Rica) and consisted of an investments control system for the bank's internal use, and a financial analysis system that evaluated the economic situation of companies that requested loans. Another system developed was for a company that handles the receiving of imported goods. It performed all the import tax calculations and reports for the government, as well as maintaining full control of the inventory.

At the time, the company was developing almost exclusively using Borland C/C++ and a large portion of my work involved writing high-level function libraries for in-house use. These libraries included table grid displays, form handling, queries, report generation, and database functions. The database functions were quite sophisticated for that time period, performing the automatic maintenance of multiple indexes for the tables. I also developed an interpreter (RPN Stack-based IL) that was used for applying record selection filters for queries, updates, indexes, and reports.

Position: Programmer/Analyst and Support

Prodata S.A. - 1980 to 1986, and 1990

San José, Costa Rica

Prodata S.A. started out as a custom systems development company and data center. The systems were developed and all of the processing was done in-house until the clients got their own computer, if they so desired. The systems were mostly administrative in nature and developed in COBOL. With the arrival of the PCs, Prodata S.A. pioneered their introduction as serious, low-cost alternatives for use in the local textile (apparel) industries. The system we introduced was a very flexible efficiency and incentives based payroll, which was eventually expanded into a complete production control system.

During that time we developed many custom systems, most of which revolved around accounting, accounts receivable, and inventories. The development included the use of COBOL, Btrieve, RPG II, Compiled Basic, C, and some assembly language. Data structures programming and algorithms analysis (a la Knuth) were major components of my job function.

Position: Applications Programmer

Agencia Datsun / Nissan S.A. - 1978

San José, Costa Rica

After a short course in RPG II, taken at the local IBM, I was given this position. The systems developed were for the control of the payment plans on their credit car sales, their accounts receivable from part sales, and updates to their parts inventory system. All of the systems were programmed in RPG II on an IBM System 32.

For the most complete and latest details, please visit www.rickstam.com/Resume.

If you would like to contact me, email me at: rick@rickstam.com.

Thank you for your interest in these pages!

Rick Stam