EDWARD TORNICK

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SENIOR INFORMATION TECHNOLOGY LEADER

A proven track record in successfully managing and providing strategic direction to a company's information technology initiatives. A keen sense of what it takes to get projects accomplished and the ability to identify and apply the proper resources to ensure success.

Core areas of expertise include:

- IT Strategy and Execution
- Personnel management
- Vendor Negotiations
- Contract management
- Profit and Loss management
- Contract management
- Sales and Marketing
- Process Improvement
- Architecture Review
- Workflow management
- Budgeting/capital appropriations
- Team building & Leadership

Selected Highlights:

Senior level information specialist with over 20 years experience in the information technology area. This experience includes systems development, project oversight, team building, and technical supervision. Work extensively with customers, vendors, and developers to provide for the deployment of timely and cost effective software systems.

Strengths

Ability to create an atmosphere of cooperation and shared goals within an organization. Possess a very strong technical background enabling me to accurately assess the scope of a project and avoid making strategic mistakes early on in the IT development cycle. Excellent interpersonal skills. Able to recognize each individual's strengths and abilities. A strong belief in the importance of every individual in helping to make an organization's initiatives a success.

PROFESSIONAL EXPERIENCE

CHUBB SPECIALTY INSURANCE – Aug 2012 –Dec 2017 (Technology Manager*)*

Responsible for a team of 25 Developers whose mission is to create and support a Specialty Line of Business Policy Administration System. This system is written in Java and .NET with significant Web Service based processing.

- Responsible for all Level 2 production support and lights on activities.
- Institutionalized the use of JUnit and NUnit test frameworks in all builds.
- Spearheaded the prototyping of the Jazz Team Server Framework for a more ‘agile’ and integrated approach to Software Development
- Prototyped and Evangelized the use of Production Support pages for all web based systems.
- Responsible for all personnel reviews.
- Manage vendor contracts and negotiated terms with vendors.
- Lead an effort to create a business case for funding an off-shore team to support our on-shore developers. The result of this effort will save the company over $300,000 a year.

AETNA – Aug 2009 –April 2012 (IT Manager Frameworks - Technical Specialist*)*
Responsible for a team of 25+ Developers and Senior Architects. The team was segmented into 5 areas. These included Consulting, Enterprise Security (Ethical Hacking), Java, .Net, and Mainframe.
The consulting team's mission was to provide consulting and development services to all of Aetna's developers. These services include helping business units as they plan, design and develop their desktop and web enabled business applications. The consulting services focused on the Spring Framework and Aetna specific assets to support a coherent and unified vision for system development. The Enterprise Security Teams mission was to find and suggest remediation for security vulnerabilities in internal and external facing applications (Static and dynamic code analysis). (Security compliance is a prerequisite for governmental contracts as well as safeguarding personal health information for Aetna's customer base.)

Hartford Hospital – March 2009 – June 2009 (Senior Architect - *Consultant)*
Responsible for the re-architecture, design and development of a new charging system for the hospitals ancillary systems (pharmacy, EKG, etc) . Software developed will give the administrators more visibility and control of the state of any of the billing systems as the records move from proprietary system origination to standards compliant record formats (HL7). Used Eclipse, Jboss, Hibernate, Spring, Quartz to develop the system.

IT Director – Nerac Oct 2006 – Jan 2009
Responsible for all of the company IT operations. The IT infrastructure included a Network Operations Center, Help Desk, Mainframe as well as Open Systems environment of both Linux and Windows based back office servers. The application development environment was Java and J2EE based with a Windows based network of the full Microsoft Office Suite. Applications run on an Open Systems architecture of JBOSS servers on Red Hat Linux. Responsible for the continued development of the Advanced Research Environment. This system consists of 25 Servers running Mark Logic XML Content Server. This environment allows the searching of over 10 terabytes of Patents, Scholarly articles, journals etc.

Managerial responsibilities include personnel management, purchasing, project management etc. Technical responsibilities include leading, directing and participating in the architecture, design and implementation activities of the network, mainframe and development teams.

- Responsible for implementing a companywide full service Help Desk with ticket tracking and resolution.
- Directed and coordinated the evaluation of all Technology Delivery platforms including network hardware and computer systems.
- Responsible for overseeing the transition of the server farms to VMware. Under my direction we moved over 60 physical servers to the virtual environment saving the company money and maintenance costs.
- Monitored service level agreements with external vendors.
- Mentored the management team.
- Implemented a functional SDLC for all company software initiatives. This SDLC was based on Agile and SCRUM methodologies.
- Responsible for IT performance reviews (staff of 25 IT professionals). Managed the Mainframe, Help Desk, Network Group, and Application Development team.
- Oversaw the implementation of SharePoint as the company wide web portal with full transfer of all company web sites to this platform.

- Selected Siebel as the company CRM. Responsible for the transfer of all company information including Sales, Contacts, Accounts, to this system from Salesnet and the mainframe. The Siebel launch involved all business units including Sales, Marketing, Finance, and Accounting.
- Work with Marketing and external vendors to develop a new public website.

Technical responsibilities:

- Researched and developed architectures to support mainframe to open systems connectivity. Prototyped various applications using SOA and JBOSS ESB for a web service backbone.
- Implemented the continuous build system for the application group using ANT and Cruise Control. (Runs on Linux)
- Wrote a number of web applications in Java, JSP and AJAX (running on JBOSS) to support the companies Analysts.
- Built the company Sharepoint monitor page to give employees a real time view of system status including mainframe. This was a Java based web app using JBOSS, AJAX, Javascript.
- Built a web based search application based on the Lucene Apache engine.

(Left due to large across the board reduction in force)

ESPN – Nov 2005 – Oct 2006 (Senior Architect - *Software Consultant)*

Part of a small team of technical leads preparing for a large enterprise application initiative. Created and installed a continuous build system using ANT, CruiseControl, Junit, Subversion. Selected and prototyped a rich client web application using the Echo framework (based on AJAX).

CIGNA – May – November 2005 - (Java Lead -*Software Consultant)*

On-site lead to a Canadian near-shoring operation. Responsible for working with Systems and Business analysts to determine system requirements for Cigna's Medical and Dental Provider Portal application. Translated those requirements into Java development tasks. Assigned and supported the remote developers as we added the new functionality into the web application. Coding and debugging using WSAD (Websphere Studio Application Developer). J2EE Technologies applied include Java, J2EE, Servlets, JSP's, SQL/JDBC (DB2).

KPNet, E-Craftsmen Solutions, CrossRef.org, SBC - Oct 2002 - May 2005(Software Consultant)

Advised on architectures and tools for various technologies projects. Wrote proposals and helped with technology selection including Operating Systems, Databases, and Web Server platforms. Wrote a J2EE based application using Eclipse, Tomcat, Struts, and MySql (JDBC for database access) This system will be used as a remote system monitoring and maintenance platform. Built a remote menu website delivery system using Java, Servlets, JSP and Millonic menuing system. Development using MyEclispe, Tomcat. For SBC, developed JSP's and Java backend code running on Websphere Application Server.

Vice President - Technology/Research
GMAC Commercial Mortgage 1996 – Oct. 2002

As the most senior member of the Division, my managerial responsibilities included budgeting, personnel management, purchasing, project scheduling and providing management and direction to outside consulting services. Technical responsibilities included leading, directing and participating in the architecture, design and implementation activities of the software and research development teams. This included oversight and

direction in the design, building and testing of a suite of sophisticated PC and E-Commerce Web based analytical software products targeted for the Commercial Mortgage and CMBS market.

(*Division closed due to corporate restructuring*)

- Member of the executive team responsible for the buy-out and integration of our start-up into GMACCM.
- Responsible for budgeting, personnel management, purchasing, project scheduling and providing management and direction to outside consulting services.
- Directed and coordinated the evaluation of all Technology Delivery platforms including network hardware and computer systems.
- Prepared divisional budgets and monitored expenses to meet established objectives.
- Provided regular status updates and provided technical presentations as requested by executive management.
- Established and monitored service level agreements with external vendors Negotiated pricing structures and vendor contracts.
- Mentored the management team in researching, analyzing and adopting current technologies.
- Participated in the performance review and career development process for direct reports.
- Initiated a sales campaign (http://www.tornick.com/Marketing1.pdf) to market our division's product line, including a web based sales promotion (http://www.tornick.com/Article1.pdf).
- Oversaw the development and delivery of a Web Service interface into a Commercial Loan Servicing System. These services served to expand the customer base, bring increased revenue and ease the maintenance burden created by one-off client projects.
- Managed the successful completion of an Enterprise level Real Estate information portal. This web portal had nationwide reach and is a strategic part of GMACCM's business operations.
- Managed the development of an Enterprise level web-based Loan monitoring system, which included a back-office operations component.
- Managed the development of a web site used for Marketing and Sales of one of the company's product offerings. Worked with many competitors to coordinate the linking of our site with their product offerings.
- Managed the development of the division's flagship PC-based product. Worked extensively with clients performing requirements gathering and scheduling.

Technical responsibilities:

- Chief Software Architect for the division's software product line. This included PC- based desktop systems as well as Web-Based enterprise applications.
- Lead the architecture, design and implementation activities of the software and research development teams. Responsible for oversight and direction in the design, building and testing of a suite of sophisticated PC and E-Commerce Web-Based analytical software products targeted for the Commercial Mortgage and CMBS market.
- Wrote a SOAP message server using WebSphere Studio Application Developer and Java. Wrote a computationally intensive analytic module for commercial loan defaults using Java.
- Wrote a desktop application in Visual C++ using Visual Studio Application developer. Used Access as the database with ADO and ODBC**.** Pinnacle Graphics server for graphing and Objective Grid for spreadsheet like functionality. This was a highly computational product running over 5000 Monte-Carlo simulations to analyze commercial mortgage performance. Included Cash-flow generation and yield curve analytics.

- Built a web site to support a back-office-supported data delivery service. The web site supported a wide range of clients in a corporate Intranet. Wrote Active Server pages**,** HTML and VBScript**.** Used SQL server and JDBC for the back-end database.

Investment Systems Manager
ITT Hartford 1994 -1996

Responsible for the oversight, management and technical direction of a group of 5 software developers building a state of the art Object Oriented portfolio Risk Management System. This system was used to manage fixed income portfolios having a market value of over 30 billion dollars.

Managerial Responsibilities:

- Responsible for project scheduling (Microsoft Project)
- In charge of personnel management including reviews, salary, and career development
- Contracted with outside vendors for data feeds and software tools.
- Oversaw and coordinated all design and development activities on the system. This included scheduling, architecture review, coding and testing.
- Acted as a liaison with internal customers to prioritize and provide strategic direction to the system development efforts.
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Technical responsibilities:

- Designed the original architecture and wrote a working model of the Portfolio Analytic System using C++**,** Galaxy, and Oracle**.** Designed and developed the foundation classes for all later development by my team. Software development on Sun Workstations running under UNIX. This system supported the analytics for Bonds, CMO's, Caps, Floors, MBS, CMBS, Swaps.

Consultant
GENERAL DATACOM Inc. 1988-1991, 1992 -1994

Networking systems development for WAN and LAN based products. Part of a small design team, which created the companies first SNMP network controller based on HP Openview.

Technical responsibilities:

- Responsible for the design and implementation of an Object Oriented set of GUI management classes in **C++** using the Object Interface (OI) library. These classes formed the foundation of the inheritance hierarchy for the controllers GUI windows, handling the creation, display, destruction, and general maintenance of the GUI windows. Target and development work on a Sun Workstation. Implemented SNMP based configuration and maintenance screens for the networked T1 channel cards.
- Responsible for the High Level design and architecture of a prototype Sun Workstation based proprietary dial-up modem network controller. High Level and detailed design of the HDLC based communications portion of the controller. Wrote prototype client/server code using RPC's as the underlying network protocol for inter-process communications. Design, code and integration test of the prototype controller's graphics screens. Code was written in C++, OpenLook, and Dataviews (an X Window based GUI toolkit). This prototype was converted to the SNMP based model described above.
- Responsible for the design, coding and integration test of the ISDN layer 3 call charging information screen for the GENERAL DATACOM NETWORK CONTROLLER. Code was written in C and used the INFORMIX-SQL database management system. All development was under the UNIX (SCO XENIX) operating system on a Zenith 386 PC

- Developed and installed a ROM based Kernel consisting of the PSOS operating system and PROBE debugger to an in-house developed evaluation board based on the Motorola 68302 microcontroller. Wrote 68302 device drivers and 'C' language to operating system interface routines in Motorola 68000 assembler. Wrote supporting code for the Microtec compiler and linker.
- Software design, coding and integration test for the AT&T compatible T1 TDM multiplexor. Code was written in C and 68000 assembler under VAX VMS and cross-compiled using the BSO compiler. Wrote optimized assembler code for layers 1and 2 interrupt level HDLC communications. Target hardware included the Motorola 68000 Microprocessor. Unit test on the VAX followed by Integration test on a HP64000.

Consultant
Asea Brown Boveri / Combustion Engineering 1991 – 1992
Nuclear power plant control room design and development.

Technical responsibilities:

- Part of a small engineering team involved in the software design of the "Next Generation" power plant control room complex. This control room architecture is based on the integration of multiple display and database workstations (running UNIX) over a Ethernet network and coupled using a real time distributed database and X windows based display generation software.
- Responsible for the design, prototype and test of the display software. Software was written in C++ and Dataviews, running under HP-UX on HP workstations. Displays included blinking alarm objects, poke points, scrolling lists, dynamic graphical objects.
- Designed and implemented an Object Oriented version of the plant sensor validation algorithm. Code was written in C++.
- Wrote Ethernet network performance software using C and SOCKETS enabling data to pass between 6 HP workstations. Performance data was used to help architect the prototype communications structure.

Consultant
United Technologies, International Fuel Cells 1986 – 1988
Fuel Cell based power plant controller design and development.

Technical responsibilities:

- Designed and implemented the communications software that interfaced the power plant controller with the signal conditioning and grid-connect hardware. Code included error detection and recovery algorithms.
- Designed, developed, debugged and integrated a number of the power plant control tasks. These control tasks used conventional feedback control algorithms including proportional-integral-derivative (PID) strategies to control the system solenoids, digital and analog valves.
- Development environment included PL/M-286 running under iRMX-286 on an Intel 310-development system.
- Pre-integration testing on a COMPAQ 286 running RTX-286. Debug using SSCOPE.

Programmer
General Electric, Inc. 1985-1986
Secret Clearance software development on the US Navy Trident II Submarine program.

Technical responsibilities:

- Designed and implemented a real-time simulation for the optical alignment of the Trident II Submarine missile system. Code was written in C and 68000 assembly language to operate under the VRTX real-time multitasking operating system. Development environment included VAX C under VAX VMS and Whitesmith C as cross-compiler for the target hardware (Motorola 68000). System integration to tactical hardware using the HP 64000
- As acting database administrator, developed and supported database efforts for the Trident II Training System. Worked with various departmental groups to determine database requirements. Developed and tested INGRES application programs to monitor schedule progress and resource usage. This work included the generation of functional specifications, the design of the database tables, and the coding and debugging of the database application. Trained users in the use of the applications. Software included DEC VAX C using the INGRES EQUEL-C pre-processor running under VAX VMS. Attended the INGRES training school in Rockville MD. Course work covered database design principles and the use of the major INGRES subsystems including QBF, VIFRED, Report Writer, and EQUEL-C.

Education and Additional Experience

- Electrical Engineering instructor for evening courses at Holyoke Community college. Linear circuit analysis and synthesis, fundamentals of filter design concepts.
- M.S., Electrical and Computer Engineering University of Massachusetts 1982