

Summarized Resume for Claire N. Streb, 1-585-755-3793

Complete Career At-A-Glance

Key: **Technical** **Business/Managerial**

Years	Company	Title	Remote
2017 –	M&T Bank	Enterprise Architect/Business Process Management Analyst	98%
2015 – 2017	CBORD	Advisory SW Eng (Architect/Lead/Scrum Master)	100%
2005 – 2015	CNS Assoc*	Owner / Manager / Sr. Software Consultant	100%
1996 – 2005	RTE	Senior Software Engineer Level II (Tech Proj Mgr)	40%
1977 – 1996	CSC... **	Technical Project Manager	None
1977	MCWA	Intern/Co-op Software Programmer	None

*Clients of my previous Consulting Company, CNS Associates (aka 14U, LLC / Computer Egghead)

Years	Client	Description
Hands-on 100% of my time		
2015 – 2015	Cerner (TEKSystems)	Healthcare / Data Integration, SW Development
2014 – 2015	Kodak Alaris (Adecco)	Doc Mgmt / Data / Web, SW Development
2014 – 2014	INetU	Cloud / Data / Security, SW Development
2013 – 2014	EES	Cloud / Data / Security / Mobile / Web, SW Dev
Hands-on and managing global staff 150% of my time		
2006 – 2013	MMM	Healthcare, Software Development
2010 – 2013	Subadra	Scientific / Environment / ERP, SW Development
2008 – 2009	CCH / Wolters Kluwer	Finance / Tax / HR, Requirements & Design
2006 – 2013	Various	UK / US, Anything software-related
Hands-on and managing global staff 100% of my time		
2005 – 2006	Various	UK, Anything software-related

**Worked with the Same People in all of these Companies

Years	Company	Titles
1992 – 1996	CSC Communications	Technical Project Manager (Manager of Managers) Software Project Manager Project Manager Software Project Leader
1985 – 1992	Phoenix Telecom	System Analysis Group Leader Software Project Manager
1977 – 1985	Sykes Datatronics	Software Manager Test Manager Supervisor of Computer Operations Programmer

OBJECTIVE

Claire is committed to be a remote Director/Manager/Lead/Architect/Analyst/Developer at an enterprise, company, or team scope. She has worked remotely since 1998 overseeing finances and personnel of global teams.

SKILLS - MANAGEMENT AND SOFTWARE ENGINEERING

Proficient in an array of methodologies, programming languages, technologies, and concepts, including:

- Full SDLC/ALM/RUP/AGILE/ISO/FDA
- Mentoring and Training
- Manage Staff (software and hardware)
- Business, Proposals, Process
- Project, Product, Configuration, Change, and Risk Management, Quality System
- Analysis, Architecture, Software and UI/UX Design, Data Modeling
- Object-oriented Analysis and Design, Use Cases, User Stories, UML, Functional Application Design
- Scrum Master: Microsoft Project, TFS, JIRA, Wrike, Rally, Kanban, Basecamp, RequirementOne, Planbox

SKILLS - TECHNICAL

Enterprise Architecture (MEGA/HOPEX, Business Architecture, Business Process Analysis, Information Architecture, ITPM, APM), **SDLC** (Agile, Waterfall, RUP, Iterative, Scrum, Kanban, JIRA, Rally, TeamCity, ClearQuest) **Product Management** (Aha!, Wrike) **Change Management** (Rational, Remedy) **Requirements Management** (RequisitePro, DOORS) **Documentation/ Collaboration** (Office, Sococo, Lync, SharePoint, Confluence, Jabber) **Configuration Management** (TFS, Perforce, Git, Subversion, VSS, SCCS, CVS, RCS) **Web/Cloud** (AWS, Azure, IIS, Tomcat, WebSphere) **Mobile** (Android, Windows Phone, Blackberry, Palm) **Data Modeling** (ERWin, TOAD, Rational Rose) **Data Security** (OWASP, OAuth, SAML, encryption algorithms) **Data Analysis** (Qlik Sense, Tableau, Power BI, Excel) **Data Storage** (SQL Server, MySQL, PostgreSQL, SQLAnywhere, Access, SQLite, Oracle, DB2, NoSQL, MongoDB) **Data Objects** (ORMs: EF, Hibernate, PLINQO) **Data Migration & Integration** (ETL/EDI: SSIS, Informatica PowerCenter) **Data Reporting & UI** (SSRS, DevExpress, Crystal Reports, JReport, Jasper Reports, Telerik/Kendo) **Data Structures** (XML, JSON, CSV, HL7, DICOM, X12) **Data Testing** (LoadUI, JMeter, QuerySurge, Wipro) **Data Transports & Protocols** (TCP/IP, HTTP, HIPAA, SOAP, REST) **QA** (Rational Test Manager, Rational Performance Test, Selenium, WatiN, Quality Center, QuickTest-QTP, NUnit, JUnit, LoadUI, JMeter) **Enterprise Systems** (CorePoint, Mirth, Cloverleaf, Documentum) **Languages/ Tools/OSS:** C# (EF, WCF, WebAPI, WPF MVVM, WinForms MVP, ASP.NET MVC Razor), Java, Visual Basic (VB.NET, VB6, VBA), JavaScript, jQuery, AJAX, Bootstrap, Node.js, HTML, CSS/Sass, C++ (STL, MFC, Boost), C, PHP, PERL, Python, Ruby, Scripting), Classic ASP, ColdFusion, WebSockets, WinSockets, PowerPoint, Word, Visio, Windows, UNIX/Linux/Solaris/AIX

ACHIEVEMENTS

- *All* of my previous employers asked me to work for them again
- Worked well on my own and when managing a staff of 30 with a \$6 million budget
- Managed, architected, mentored, led, and contributed to successful software teams on complex tasks
- Played lead role hundreds of times in winning contracts and delivering software to global customers
- Led requirements workshops, wrote specifications and standards, conducted formal reviews
- Highly respected software consultant for custom, COTS, products, databases, web, and mobile
- Automated and manual, web and non-web, black box and white box software testing
- Successful freelance consultant: Moved to UK, adjusted to a new culture, supplied cutting edge software services, and hired subcontractors from across the globe
- Founded three Communities of Practice to introduce innovative technologies and share knowledge
- Major contributor to Quality System/Software Standards achieving ISO-9001 compliance and CMMI Level 3
- Awarded outstanding Java developer by Xerox (J2EE using Rational Rose design)
- Participated in Open Source projects (HijackThis plus four others)

EDUCATION

B.S. Computer Science and Information Technology (with concentrations in Mathematics, Physics, and Statistics)	Rochester Institute of Technology Rochester, NY USA 1990
Three certifications in Requirements Management with Use Cases, RequisitePro, and OOAD 4.0 (UML). Well versed in RUP, trainer/leader in systems analysis and design.	Rational University Boulder, CO USA 1998, 1998, 1999

EMPLOYMENT HISTORY

M&T Bank (Through GlobalQuest, Remote)

9/2017 -

Enterprise Architect/Business Process Management Analyst

EA Governance, Security, Financial

Working in the EA Governance team for a highly respected Fortune 500 company with fantastic people. Change agent, leader, and communicator for IT management and stakeholders across the organization. Digital Transformation innovator from Business Architecture through IT Architecture and Portfolio Management utilizing business intelligence, metamodeling, and data integration. Assists with the development, execution, and continuous improvement of the EA library and repository, including Application Portfolio Management, Corporate Technology and Software Development Standards and Procedures, and Architecture and Design Patterns. Co-founder of the Software Development Community of Practice for knowledge-sharing of SDLC topics such as the Secure Development Framework working with the Cyber Security team. Leading global personnel on analytics and data integration. C#, ASP.NET, JavaScript, VBA, SQL Server, MEGA HOPEX, Tableau.

CBORD (Remote)

10/2015 - 7/2017

Advisory Software Engineer (Lead, Scrum Master, Architect)

Cloud, Full-stack, Food Production, Healthcare

Mentored the software team in best practices in software development including:

- Business Process Re-engineering (inter-team leader, presentations and diagrams)
- Enterprise Architecture Patterns and SDLC (team leader)
- Object-oriented Design Patterns and UML (activity flow, state diagrams, class diagrams)
- Programming, automated testing, and Continuous Integration and Deployment (CI/CD)
- Business Intelligence Data Extraction, Loading, Reporting, and Analysis
- Founding member of UX Design System team

Responsible for product (SaaS, mobile, client/server) architecture, processes, standards, and procedures, research and integration of new technologies, feature enhancement, and maintenance. Created and led presentations and performed highly complex product design, implementation, and trouble-shooting activities. Web apps, Web services, database, mobile (responsive). C#, ASP.NET MVC, AWS, JavaScript, JQuery, Bootstrap, Node.js, Ajax, Telerik/Kendo, Powershell, SQL Server/SQLAnywhere, Qlik Sense.

CNS Associates (1 4 U, LLC and Computer Egghead)

8/2005 - 10/2015

Owner/Manager and Senior Software Consultant

Cloud, Data, Security, Healthcare, Mobile, Telecom, Security, Imaging, Environment, Finance, Tax, HR, Document Management, Printing, Full-stack

All remote except one

Client	Location	Dates	Responsibilities	Domains
Cerner (through TEKsystems)	US remote	2/2015 - 10/2015	Sr Software Engineer: Analysis, design, development, testing, and documenting the Siemens MobileMD Health Information Exchange (HIE) for hundreds of hospitals, clinics, and practices. (HL7, X12, PDF, C#, WPF, WinForms, VB.NET, ASP.NET MVC Razor, Java, Web Services, CorePoint)	Healthcare, Full-stack
Kodak Alaris (through Adecco)	US on-site	8/2014 - 1/2015	Sr Software Engineer: Design, development, testing, and documentation of distributed computing for complex image configuration scenarios on millions of kiosks, tablets, and smart phones. (ASP.NET, CMS)	Document Mgmt, Imaging, Printing, Data Capture, Web, Full-stack
INetU Managed Hosting	US remote	3/2014 - 7/2014	Sr Software Engineer: Requirements analysis, architecture and re-architecture, software development writing web services and websites in C#.NET, WCF, ASP.NET MVC (Razor), JavaScript, jQuery, Python, CSS, HTML5, SQL Server, and MySQL. Cloud computing includes AWS, Azure, and vmWare's vCenter.	Cloud, Data, Security, Full-stack

Client	Location	Dates	Responsibilities	Domains
Essential Enterprise Solutions, Inc.	US remote	10/2013 - 2/2014	Sr Software Engineer: Requirements analysis, architecture and re-architecture, project estimation, software development, and 24x7 I.S. support writing web services, websites (including responsive), EDIs, interfaces (SOAP, TCP/IP, HL7, X12), call center tracking workflows, ACD (automatic call distribution), in C#.NET, VB.NET, VB6, Java, PHP, ASP.NET, Python, PERL, Ruby, Windows, Solaris, SQL Server, MySQL, and AcuCOBOL. Cloud (Azure) as well as REST and WCF. CRM (Salesforce and home-grown).	Cloud, Data, Mobile, Security, Full-stack

CNS Associates. All work above was remote (except for five months), no staff (but mentored junior co-workers) ↑

1 4 U, LLC and Computer Egghead. All work below was remote, and all staff were remote subcontractors ↓

Client	Location	Dates	Responsibilities	Domains
Materials Management Microsystems, Inc.	US/UK remote	4/2006 - 10/2013	Owner/Hands-on Manager/Sr SW Consultant: Process improvement, Project estimation, Software Analysis, Requirements Management, Architecture, User Doc, Test Plans, Mentor (SharePoint, Client/Server, web sites, SQL Server, Access, DevExpress, Reports, WPF, WCF)	Healthcare, Data, Mobile, Full-stack
Subadra Ltd	UK remote	1/2010 - 9/2013	Owner/Hands-on Manager/Sr SW Consultant: Architecture and Maintenance (Desktop, VB6 to C#)	Environment/Scientific, ERP, CRM, Full-stack
CCH / Wolters Kluwer	US/UK remote	4/2008 - 12/2009	Owner/Hands-on Manager/Sr SW Consultant: Systems Analysis, UX Design, SharePoint Design	Tax, Finance, HR, UX
Small to mid-size clients	US/UK remote	8/2005 - 4/2008	Owner/Hands-on Manager/Sr SW Consultant: General process improvement, software engineering (C#, Java, C++, VB.NET, VB6, SQL Server, Oracle)	Government, Finance, Websites, Databases, Full-stack, etc.

Some Details Regarding My Consulting Work

CNS Assoc / 1 4 U / Computer Egghead

8/2005 – 10/2015

100% Remote (US and UK)

Healthcare, Government, Telecom, Data, Security, Environment, Mobile

Owner/Hands-on Mgr/Sr SW Consultant

Security, UX, Finance, Tax, Document Management, Publishing

Provided senior software engineering and business/systems analysis services to huge corporations (such as Xerox, CCH, and Wolters Kluwer) as well as mid-size and small companies. Included process improvement, product design, data modeling, programming, unit and integration tests, and validation plans (FDA/ISO compliance).

- Led development of cutting edge technologies:
 - Integration and customized reporting to external systems such as Healthcare, Finance, and CRM
 - Java: Multiple applications and interfaces (J2EE, Android, web services, and UI design).
 - C#: Architecture and .NET interop interfacing to legacy VB6 and PowerBuilder applications.
 - NoSQL: Setup and training of CRUD databases (Redis, MarkLogic, Raven, MongoDB).
- Wrote Functional Requirements documents and UI designs for Tax, Payroll, Benefits, and ERPs.
- Created an extensive array of data models for collection of laboratory results and data mining of that data.
- Wrote a decision support system in VB that collected data through a survey and later applied data mining to it with comprehensive and analytical presentation using graphs/charts.
- Intensive problem solving, development, mentoring, requirements workshops, business analysis, systems analysis, design and architecture audits, data modeling, reporting, data analysis, web analytics, websites, SEO, desktop apps, databases, technical consulting, ERPs, CRMs (C#, Java, VB.NET, Excel, Access, SQL Server,

.NET, C++, VB6, MySQL, Oracle, PowerBuilder, Toad, Crystal Reports, Informatica), Research, Analysis, Design, Project Management, Troubleshooting, Support, Testing, and Customer Service.

Materials Management Microsystems

W2: 1/2008 – 10/2013

100% Remote (US and UK)

Contract: 4/2006 - 12/2007

Senior Applications Developer (Analyst, Architect, Tester, Mentor)

Healthcare, Database, Mobile

Furnished hospitals and clinics with a software product that tracks surgical instruments and medical equipment and monitors sterilization. Worked as the only vendor interfacing with 3M's biological monitoring system. Partnered with Aesculap for its instrument identification system.

- Responsible for defining customer requirements, standards and procedures, providing development estimates, architecture and detailed designs, implementation (database schema, UI, and business logic), test plans, automated tests, and mentoring.
- Proposed and instituted the Data Integrity and Continuous Integration program with application/web analytics and automated testing. Includes tool for stress testing database for performance.
- Improved and documented the company's software development processes.
- Re-architected the company's Access application:
 - Rewrote for n-layer, n-tier, client/server in C#.NET (EF, WCF, WPF MVVM, ASP.NET MVC with Razor, XML, JSON, Python, T4 templates, WinForms MVP, DevExpress, SQL Server, SQL CE, Dolphin handheld, PocketPC, with framework for Android, iPhone, and Windows Phone).
 - Sole software engineer and data analyst working on a biomedical informatics reporting module that included research into data anomalies/patterns.
 - Introduced heightened cyber security measures into the architecture: 1) Authentication (both user and machine) are encrypted; 2) Authorization is granted through security groups mapped to operations; and 3) Document storage and retrieval is encrypted and accessible through authorization.
 - Provided user experience analysis, concepts, and UI mockups and wireframes for a new look and feel for desktop, web, and mobile clients.
- Re-architected the old Access 2.0 application to Access 2007 linked to a SQL Server backend. Extensive UI overhaul and localization to Spanish. Introduced formal system testing, automated unit testing, and online user documentation. Wrote HL7 and X12 interfaces (surgical scheduling and other HIS).

Direct, Full-time Employment Before I Began My Consulting Company

RTE

12/1996 – 8/2005

40% Remote (US)

Healthcare, Government, Scientific, Telecom, Utility, Legal, Doc Management, Manufacturing, Education, Imaging, Automotive, Finance, Aerospace, Mobile

Senior Software Engineer Level II

Supplied software engineering and project management services to a vast array of companies and industries, as small as single-owner, and for larger companies (Xerox, General Motors, Bausch and Lomb, Johnson and Johnson, Kodak, Frontier).

- Key technical lead and company's "go to" and idea person (liaison between customer, business, IT, and IS)
- Project manager of many projects, fixed price as well as time and materials, staff: 1 to 10.
- Consulted for businesses regarding their analysis, architecture, coding, and processes. Comfortable presenting in the boardroom as well as rolling up my sleeves with front-line staff. Authored and presented numerous white papers, proposals, specifications, project plans, test plans (with procedures and cases), and user guides.
- Risk assessment, business strategy, feasibility studies (including gap and impact analysis), project and change management, business analysis, requirements gathering, design, programming, writing, testing, installing, training, and support.
- Introduced new technology (such as secure web services using SOAP+WS-security and MSMQ), planned / estimated / tracked projects.
- Instrumental in company's ISO-certified Quality System (standards and procedures and process improvement initiatives).

- Founded the Core Competencies group and trained company in .NET and C#.
- Worked extensively on:
 - Forward and reverse engineering processes and software. Analyzed business processes, quality procedures, source code and databases, created scripts for implementing Data Modeling changes, published Data Models and ERWIN reports, and co-coordinated with DBAs. Scores of migration projects including C to C#, C++ to C#, VB6 to C#, Delphi to C#, and ASP to ASP.NET.
 - Analysis of source code and disassembly of DLLs and EXEs for forensic investigations (including reports for court cases).
 - Manufacturing: Contact lens, hard disk, gears, scientific instruments, airplanes, medical equipment
 - Government: Rocket science (really!), transportation, undersea and overland military (embedded)
 - Infrastructure and frameworks, such as queuing system for ACD (automatic call distribution) and a TCP/IP network stack exerciser.
 - Log file analysis for website and application usage / ROI statistics (IIS tracking, AWStats, Excel)
 - Interfacing with healthcare (EMR/EHR/PMS/QNXT), medical devices, and LIS (HIPAA, HL7, X12, DICOM, ICD-10, XML), medical device software, automated radiotherapy (PIPER).
 - PDF Conversions, such as ATA-100 Postscript to PDF and Payer/Payee XML to PDF
 - Desktop, web, mobile, embedded, PLC, telephony, networks, printers
 - Automated software standards and validation (C++, Java, Rules engine, ISO)
 - GUIs, web apps, mobile, automated testing, databases, reporting packages, embedded programming, frameworks, libraries, data conversions, document management systems (such as Documentum), consultative studies, configuration management. vendor relationships, and mentoring sessions. (Java, C#, C++, VB6, FoxPro, Oracle, SQL Server, Access, HTML, ASP, VBScript, JavaScript)

CSC Communications Industry Services (NY, Formerly Phoenix Telecom)

6/1992 – 11/1996

Technical Project Manager

Telephony/Communications, Government, Mobile

Inspired team to produce quality products for noteworthy clients (such as AT&T and Deutsche Telecom) and provided top-notch software consulting services

Highlights:

- **Senior Manager** for the Rochester, NY office (Mid-level manager of managers)
- Responsible for all landline and wireless technician access projects and personnel
- Managed relationships with customers (in USA, Germany, Italy, and Spain), budgeting, proposals, schedules, development, delivery, and support
- Introduced new funding and methodologies into the development environment, improved communications and efficiencies, and trained staff (ask me about “RoboManager”)
- Main liaison between Sales, Marketing, and Software Development
- Staff: approximately 30 people in management, operations, development, writing, and support
- Budget: \$6 million
- Previous positions were **Software Project Manager** (hands-on product lead), **Project Manager** (hands-off budgeting, scheduling, and tracking a 60-person team), and **Software Project Leader** (hands-on lead, C++, Access 4GL, Unify)

Phoenix Telecom (NY, Formerly Sykes Datatronics)

10/1985 – 5/1992

Systems Analyst Group Leader

Telephony/Communications

35 of us formed this private startup that produced quality products for national telephone companies

Highlights:

- **Systems Analysis Group Leader** initiated a group of three systems analysts who conducted requirements engineering, joint analysis and design workshops, assisted Marketing and Sales with customer visits and proposals, and constructed specifications, data models, user and external system interface designs, prototypes, and demo packages
- Previous position was **Software Project Manager** (hands-on product lead, C++, SQL)

Sykes Datatronics (NY)

8/1977 - 9/1985

Software Manager

Telephony/Communications, Hotel, Embedded

Generated turnkey products for national telephone companies and hotel chains

Highlights:

- **Software Manager:** Led a team of eight software engineers in software maintenance and feature enhancements for telephone switch reporting
 - Previous positions were: **Test Manager** (system test, software configuration control, and software QA), **Supervisor of Operations** (led a 24-hour team of three operators and one hardware technician), and **Programmer** (Basic, C, and Assembler). Ask me about "FIDO, the watchdog"
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Monroe County Water Authority (NY)

4/1977 - 6/1977

Intern / Co-op Programmer

Government, Utility, Finance

Converted billing programs for the main provider of water in Monroe County, NY (Fortran, COBOL)