

EMPLOYMENT

Senior Software Engineer **Coleman Insights** **Oct 2011 – Jan 2015**

Portal (C#, ASP.Net, Web API, HTML5, CSS3, Bootstrap, JavaScript/TypeScript, Durandal, JQuery, Knockout, Breeze)

- Implemented a secure web portal framework to serve as a future platform for many of the company's products.
- Developed an application within the portal that allows users to build and compare lists of songs and their associated audio clips that are uploaded to a survey tool to do weekly music testing.

HookSelect (C#, ASP.Net, Web API, HTML5, CSS3, Bootstrap, JavaScript/TypeScript, Durandal, JQuery, Knockout, Breeze)

- Redesigned and implemented a web/mobile application for managing a database audio clips used for music testing.
- Materialized a mobile-compatible custom grid control that supports virtual scrolling and seeking through vast amounts of data (150,000+ audio clips and their associated metadata).

PCFact

- Implemented a new version of this windows application as part of a re-branding effort. The challenge stemmed from the fact that the source code and compiler no longer exist. The changes were identified and executed using resource editing tools, program disassembly and debugging tools, and direct editing of the binary executable.

VP Software Engineering **Clinverse, Inc.** **Mar 2010 – Oct 2011**

Clinpay (C#, ASP.Net, Javascript, Ajax, WCF, and SQL)

- Managed a team of 6-10 engineers to develop financial software for managing the clinical research investigator payment process.
- Architected and implemented Clinverse's patent-pending processing engine for evaluating contract terms against study events captured in customer's EDC system.
- Implemented software to integrate with third party EDC systems including Oracle and Medidata Rave.

Senior Software Engineer **Coleman Insights** **Mar 2009 – Mar 2010**

PPM Analysis Software (WPF, SQL)

- Designed and implemented an application for using daily radio station content logs and Arbitron listener tracking information to calculate relative market share based on different musical attributes and listener demographics.
- Utilized the application to execute an analysis of the New York market consisting of over 150,000 songs and commercials from 3 stations over a 4-month period and over 6 million PPM samples collected from about 6,000 listeners.

CTO/Software Engineer **Equipe Container Services** **Jul 2008 – Feb 2009**

Business Process Automation Software (C#, ASP.Net, SQL)

- Implemented a web based customer fleet management system to track location of container fleet
- Developed a web dashboard integrated with company's back office SQL database and accounting system.

CTO/Software Engineer **Moveable Cubicle** **Apr 2004 – Jan 2008**

Business Process Automation Software (C#, Windows Forms, ASP.Net, SQL)

- Implemented web and windows client based automation of the company's sales, inventory, logistics, and accounting functions.
- Developed a complete custom invoicing and accounting system to replace the company's existing solution.
- Implemented a system to manage the company's nationwide inventory of storage containers.
- Developed a sales quote system to calculate delivery and leasing prices based on delivery location, inventory availability, local tax rates, and calculated mileage.
- Managed the company's IT infrastructure to support its two US corporate offices and its operations center in Pune, India.

Sr. Director, Global Tech Support **Ciena Communications** **2002 – Mar 2004**

Optical Networking Products

- Selected following the acquisition of ONI Systems and promoted by Ciena to manage a team of 165 employees in

- North and South America, Europe, and Asia to provide worldwide technical support for CIENA's product portfolio.
- Managed the technical support budget and expenses to help achieve operational profitability of the Global Services organization.
- Managed a team of IT professionals responsible for delivering CIENA's web-based customer service applications.

Director, Global Product Support

ONI Systems Corporation

2001 - 2002

Metro Optical Networking Products

- Recruited from ONI Engineering by VP of Customer Service to build a team responsible for worldwide post-sales technical support for the complete portfolio of Metro Optical Networking products.

Senior Software Engineer

ONI Systems Corporation

Nov 1998 – 2001

***Fiber Optic Network Transport Software* (C++, VxWorks)**

- Recruited as a member of the initial software development team for this Silicon Valley based optical networking startup.
- Designed and implemented the real-time messaging service used to communicate between all applications and interfaces within the system.
- Co-invented a real-time automated multi-node optical power management application that was awarded a US Patent.
- Led the first successful customer trial with COLT Telecom, London, UK in December 1999
- Assisted ONI Systems in launching a successful IPO in May 2001

Software Engineer

Nortel Networks

Jan 1990 – Nov 1998

***Automated Directory Assistance* (Protel – Proprietary Object Oriented)**

- Designed, developed, and supported a central office Automated Directory Assistance product for the ILEC market (Lead customer BellSouth).

***Interactive Voice Response Platform* (C++)**

- Designed and implemented an IVR platform that could be deployed in the legacy PSTN as well as the emerging packet based voice network (Lead customer Ameritech).

Software Engineer

Bell-Northern Research

May 1987 – Dec 1989

***Multi-site networked source code control system* (Protel – Proprietary Object Oriented)**

- Implemented a source control system that was utilized for all software development across multiple locations within the company.
- Developed features which facilitated propagating, integrating, and tracking software changes between multiple development streams.

EDUCATION

Fredericton, NB Canada

University of New Brunswick

Fall 1982 – Spring 1987

- BS in Computer Science, May 1987. Dean's List
- Recruited to participate in the launch of the University's Cooperative Education program. Completed internships as a Software Engineer at New Brunswick Power, Bell-Northern Research, and Nortel Networks

SKILLS, LANGUAGES, AND TECHNOLOGIES

- Desktop and server: C#, MVC, Web API, Web Services, WPF, XAML
- Web: HTML5, CSS3, Bootstrap, XML, JSON, JavaScript/TypeScript, JQuery, Durandal, Angular, Knockout, Breeze
- Embedded applications: C++, VxWorks
- Database experience: SQL Server, InterSystems Caché Post-Relational Object Database
- Visual Studio, Team Foundation Server, Perforce
- Exceptional object oriented design and programming skills
- Excellent written and verbal communication skills

REFERENCES

Available upon request