**SEAN YAN**

**LANGUAGE and FRAMEWORK**

Language: C#, C/C++, Java, SQL

Database : SQL Server, Oracle, Informix

OS : Windows, HP-UX, Solaris, Linux

Misc : .NET Core/Framework, ASP.NET/Core, MVC, gRPC/WCF, Javascript/JQuery/CSS, EF Core/EF/ADO, Azure DevOps, Java SE/EE, Pro\*C/C++, TSQL, PL/SQL, WinForms, VBA/Excel, shell scripts, TAP/threading, Valgrind, design patterns, performance tuning, BI

**EMPLOYMENT HISTORY**

**Claims Recovery Financial Services** Albion NY, USA 10/2019 ~ present

Sr. Systems Analyst/Programmer

Projects: IS initiatives

Tasks include:

1. Ongoing development for new CRFS application portal:
2. System design and prototyping.
3. Developed inhouse Loss Analysis solution.
4. Developed utilities such as Cron scheduler and PDF compressor.
5. Developed FHA Catalyst XML submission process.
6. Access management for UI elements, actions and datasets.
7. .Net Core with MVC and gRPC
8. Maintained and supported WinForms applications, ClaimsManagement and ReferralImport.
9. Migrated EDI processes from Python to C#/.Net platform.

**Bituner.com** 11/2018 ~ present

Independent Project

Developed a codeless data management platform (www.bituner.com) for citizen developers either cloud-based or on-premise.

**Boston Valley Terra Cotta** Buffalo NY, USA 9/2017 ~ 11/2018

Lead Software Developer

Projects: Production Scheduling, MPM

Tasks include:

1. Designed, developed and implemented an extrusion-firing simulation program to better schedule field operations and produce accurate shipment hours in accordance with manufacturing process.
2. Designed and developed BVTC’s Manufacturing Process Management portal with .Net, VSTS, WCF, MVC, EF, Reflection, and web “plug-ins” (Bootstrap/jQuery/..).
3. Analyzed legacy systems and developed domain entities, data models, patterns and mockups for new system.
4. Communicated with the stakeholders for developing data relationship, application logic and workflow.
5. Database design and implementation as well as web UI development.

**Sodexo** Buffalo NY, USA 1/2013 ~ 8/2017

Lead Applications Programmer

Projects: Entegra

Tasks include:

1. Onsite development for Sodexo’s EntegraPS.com and Supply Management System
2. Took responsibilities on project-wide technical solutions, from design to their full SDLC engineering. Communicated with business owners/analysts from the estimates to business object, relationship and presentation.
3. Hands-on development for Web, app logic and data logic.
4. Functional area covers: organization membership, SSO, unit management, security, distributor management, client activity monitoring, and compliance.
5. Daily production support on troubleshooting and performance tuning (for database, web and batch).

**HP Enterprise Services (formerly EDS)** USA 1/2006 ~ 8/2012

Information Analyst

Projects: Medicaid

Tasks included:

1. Participated in design, development, implementation and support for Kansas, Kentucky and

Florida Medicaid Management Information System (MMIS).

2. Analyzing and designing the solutions for different functional subsystems (Claims, Managed Care and Prior Authorization).

3. Database application performance tuning for the high data volume and millions lines of code system.

4. Report development for DSS subsystem.

5. Migrated and integrated the legacy data and desktop output into the system.

6. Provided solutions and technical help to other system stakeholders.

**Ontario Financing Authority** Toronto ON, CANADA 7/2005 ~ 12/2005

Projects:

Lead developer for OFA PBS. Tasks included:

1. Analyzed and designed the system from legacy IT Purchase/Budget system with new features and enhancement. These include requirement gathering, system analyzing and database development.

2. Created the web-based application for ad hoc reporting, expenditure control and invoice generating.

**Primus Telecommunications Inc.** Toronto ON, CANADA 3/2000 ~ 6/2005   
Programmer Analyst

Projects:

Worked as a backend and mid-tier developer in Primus IDG(Internet Development Group) team. Tasks included:

1. The Primus ePortal project,   
   a. Participated in requirements gathering, performing system and problem analysis,

developing prototypes to represent proposed solutions.

b. Designed, developed and implemented the light-weight application server and its surrounding XML components.

* Used Pthreads for the real-time multithreading on Linux.
* Used Libxml2 for all XML needs.
* Used Linux system socket call for TCP/IP networking.

c. Formulated the test cases and developed necessary utilities to ensure the application systems performance, quality and its functionality meet the business specifications.

1. Developed applications and cron jobs for the purpose of getting various decision support data from Primus Customer Care/Billing System and sending them to LTN gateway and other external interfaces.
2. Involved in the development and maintenance for Primus (data service) provisioning, customer care and tech support application system.
3. Migrated and implemented Primus Carrier Invoice (online billing) Application from desktop to Web/SOAP.
4. Developed Primus Data Collector and Facility Management System schema objects.
5. Developed utilities and Oracle external procedures for various purposes.
6. Provided technical support to other developers and the customer service team.

**Infinity Systems Inc.**  Toronto ON, CANADA 6/1999 ~ 3/2000   
Software Engineer

(detail attached)

**LongCheng Group Wuhan Branch**  Wuhan, CHINA 9/1991 ~ 2/1999

Software Engineer

**STCND,** JiangYin, CHINA 9/1983 ~ 8/1991  
Software Engineer

**EDUCATION and TRAINING**   
  
M.Sc in CIS 2009

Concentration in Business Intelligence and DB Management

Boston University, USA

B.Eng in Computer Software 1983  
Huazhong University of Science and Technology, China

Oracle9i Certified Professional 12/2004

Microsoft Certified Solutions Developer 2/2004

Appendix A:

**Infinity Systems Inc.**  Toronto ON, CANADA 6/1999 ~ 3/2000   
Software Engineer

Projects:

Responsible to the design and implementation of Free Internet Project. This includes system architecture design, key technologies selection and testing.

1. Networking solution design and implementation with RAS, IAS/C programming, multithreaded real-time data transition and communication over Internet with sockets and network protocols implementation.

2. Implemented secure Windows NT services, end-point utilities verification, multithread

application for networking, talking with NAS (Network Access Server). Client-side Windows shell programming, system wide hooking and detecting, GUI elements drawing and management, and various DLL implementations for resource loading, real-time update, and other functionality support.

3. Developed and implemented stored procedures and triggers for the purpose of auditing, maintaining account/session information.

4. Designed, developed and implemented the GUI tool and server-side service to allow users to manage their accounts at the Desktop.

5. Performance tuning and testing.

6. Developed and implemented the Setup utility which detected target machines’ network configuration, installed network components and registered necessary entries by using Windows DDK.

7. Implemented distribution package with InstallShield and Visual InterDev, also implemented features like updating application component in real-time via Internet etc.

Environment: VC++, VB, sockets, Win32 APIs, RAS, IAS/C, SQL, Windows DDK, RADIUS, Telnet, ODBC, MS SQL Server, Windows.

**LongCheng Group Wuhan Branch**  Wuhan, CHINA 9/1991 ~ 2/1999   
Software Engineer

Projects:

1. Data modeling and database implementation for the repository management of a Steel Selling System of WISCO.

2. Designed, developed and implemented the Real-time Radiograph Multi-processing System that included data acquisition, multiple means of processing series raster images with various graphics file formats.

3. Designed, developed and implemented the contract projects for local enterprises.

4. Maintained and supported self-produced products.

Environment: C, C++, ODBC, Sockets, SQL, TCP/IP, Win32/MFC, Windows, SQL Server, MS DOS, ST APIs

**STCND,** JiangYin, CHINA 9/1983 ~ 8/1991   
Software Engineer

Projects:

1. Developed and implemented Real-time Mainframe utilities for data transmission between bases and guiding surveying radar in satellite launching experiment in Assembly.
2. Involved in the research and design of the capture scheme of the satellite's apogee using optimizing probability algorithm to speed up First-chance Capture Time.
3. Designed and implemented the application to eliminate 180 Radar's fuzziness instead of its integral circuit by using Monte Carlo Simulation in Basic.
4. Involved in the projects of carrying forward local enterprises' computerization.

Environment: Assembly, BASIC, Mainframe, PC-XT