

Peter D. Pruyne

Senior Developer

#2 Washington Square Village
Apt 11A
New York, NY 10012
619-847-0222
pdp@pruyne.net

Goal - Interesting Work with Good People.

EXPERIENCE

2019 - Present **Software Development & Covid avoidance**

- X12 Open source disruptive development project. Provide a portable metadata format and associated cmdline converters and gui editors. c#/windows. Now exploring Maui as a better platform.
- X12 Radical architecture high performance validator. Performance goal, 7x faster than previous record holder. Development mule in c#/windows, target in C/windows/linux
- Multi-process system substrate for common command & control of distributed systems, in c#/windows/linux

XEOHEALTH – SENIOR SOFTWARE DEVELOPER

2015 - 2018 **Healthcare Claim Adjudication Development and Discovery**

- Software Development, X12 Parsing, Validation, Acknowledgement
- Software Archeology, Code & System discovery, documentation, modification
- DevOps, Virtualization, tools, testing, support
- Operations, procedure discovery, development & documentation, customer exception handling

SYSCOM STRATEGIES – TECHNICAL DIRECTOR, CO-FOUNDER

1988 - 2015 **Successful product start up, X12 EDI validation/translation vendor**

- Singly Design, Develop, Test, and Maintain a 300k line portable codebase.
- Demonstrate overwhelming technical expertise to overcome Small-Company drawbacks.
- Participate in National Standards to develop Corporate Visibility and demonstrate Technical Competency.
- Port to prospective customer Platforms and Os's. Develop, Test, and Deliver initial Standard & Custom Metadata, enhancements, customizations, on-site hands-on customer training

Product Features

- Enterprise level reliability. None faster, by far. 20 years mission critical use at the largest Healthcare Claims clearinghouse.
- Any platform interoperability, PC/Server/Mainframe. Industry leading innovation & performance. Batch workhorse executable or real-time library. Embedded bytecode compiler and interpreter.
- Portable metadata for format specification & translation mapping. Any-to-Any, bi-directional translation and validation. Envelope handling, Acknowledgement generation. Standard, implemented, and custom formats supported.
- One pass operation in fixed memory on indefinite length inputs.

SEQUENT COMPUTERS– Software Developer

1990 - 1992 **Migration/Virtualization of legacy systems**

- Virtualize legacy architecture mainframe host using Unix Risc SMP for aerospace manufacturer with proprietary integrated ERP.
- Develop & Test Block-mode terminal emulation for ANSI std terminals.
- Develop & Test Mainframe CPU emulator on RISC cpu with exact BCD-ALU artifacts.

Skills

Software Development
Software Archaeology
Standards Development
Technical Politics

Languages

~Primary - C, C++, C#
~Secondary - Java, Perl,XSLT, Xml, SQL, Smalltalk

Tools

~Visual Studio, Gcc
~Jira, VMWare,, Confluence
~Git,Subversion

Standards Leadership ANSI Committee - ASC-X12

~ X12 Committee Vice-Chair
~ Chair Communications & Controls Subcommittee - X12C
~ Chair Technical Assessment Subcommittee - X12J
~ Chair Procedures Review Board
~ Chair Policies and Procedures Task Group
~ Chair ASC-X12C-TG4 Acknowledgements Task Group
~ Author of TS 999 Implementation Acknowledgment

Awards & Accomplishments

~1995 U.S. Patent 5410675 - Method of conforming input data to an output data structure and engine for accomplishing same.
~ 2011 Guilbert Award recipient. Data Interchange and Standards Association, lifetime achievement.

CHRYSLER CORPORATION – Software Developer

1984 - 1988

Engineering Business Systems & MIS

- Develop & Test PC Application Automation platform, deploying PC-Automated Budget Preparation system across Engineering division
- Evaluate PC LAN & WAN hardware & software, Manage workgroup networking pilot projects.
- Evaluate engineering workstation hardware & software. Evaluate and deploy Unix servers & workstations for multiple terminal emulation in critical departments
- Rapid prototyping in Object-Oriented languages, Smalltalk & Objective-C
- Project approval, Facilities coordination, Executive presentations and demos

DUOSOFT CORPORATION – R & D Programmer

1982 - 1984

Computer-based Education system development

- Port, Test, & Support computer language specialized for Educational Programs
- Develop, Test & Support multi-platform graphics terminal emulator

EDUCATION

University of Illinois, Urbana — Dnf

1977 - 1984

Computer Science/Astrophysics/Philosophy

SCENARIOS

C/C#/C++ Development & Devops

Skilled & Experienced development horsepower added to your team. I've written small programs to large systems. I've worked alone and in teams. My code has run decades in 24/7 production, it doesn't fail, it doesn't fault, and it doesn't leak memory.

ASC-X12 Representation

Raise your profile in the industry, affect the course of future Standards, know what's coming. X12 is a weird beast, understanding the people, politics, and procedures is key to having an impact. Unless your agenda is huge, this is a part-time responsibility, yet not one well handled by an amateur.

X12 System Development

Unparalleled skills in Parsing, Validation, Translation, and Acknowledgement. X12 is the front door to the backend of your system, it needs to be right, robust, and reliable. That is a combination not always well met. For example - test your system's response to an ISA with a negative control number in ISA13. Knowing this issue, how to fix the parsing, or how to protect yourself in a Companion Guide, are small examples of the deep understanding I can bring to bear on your issues.

Software, System, & Procedures Documentation

Without dedicated effort, documentation is seldom comprehensive or sufficient. Having more code&systems than you have documentation for is neither safe nor sustainable. Reduce your risk, understand your vulnerabilities, prioritize your repair and replacement agenda.

Miscellaneous Things I've Done

- ~ Realtime FFT in assembly on a Seymour Cray machine.
- ~ Spectral analysis of extra-solar magnetic field strengths.
- ~ Keyboard & video drivers.
- ~ Atmel & Arduino

Miscellaneous Things About Me

- ~ Air Force brat.
- ~ Father of a Marine.
- ~ Long distance bicyclist
- ~ Machinist & welder
- ~ Sports car builder.
- ~ Crashes RC sailplanes

