PROGRAMMING PLUS®
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PROGRAMMING PLUS® provides Independent Consulting and Professional Engineering services in the fields of Computer Software and Hardware. Specialties include computer consulting/engineering, software design/development/engineering, problem solving, portability and applications porting, performance enhancements, communications, networking, Internet connectivity, computer security and firewalls, integration, interoperability, operating system internals and cross-platform systems administration. Development occurs on numerous platforms in a variety of languages and databases. Product procurement consulting (specifications, configurations, evaluations, installations, upgrades and sales) is also provided.

Advantages of Using Programming Plus®

- Results that Work.
- Quality Implementation.
- Intelligent, Practical Solutions.
- Expert Assistance.
- Experienced Software Development.
- In-House Facilities, Ability to Work Independently.
- Provide On and Off Site Consulting.
- Work on Tasks of Any Duration.
- Rapid Results are Often Possible.

Services Provided

- Software and Systems Engineering, Architecture, Design, Development, Integration and Testing.
- Application Analysis, Programming & Implementation.
- Troubleshooting, Debugging, Diagnosis, Correction and Repair of Malfunctioning Systems/Source Code.
- Problem Solving and Solutions. Crash Recovery.
- Algorithm and Product Development. Expert Witness.
- Technical Support, Assistance, Advice and Training.
- Cross-Platform Porting of Applications & Source Code.
- Performance Enhancements and System Tuning.
- Systems Administration, Integration and Support.
- Hardware/Software Selection, Evaluation, Installation, Configuration, Migration, Patches, Upgrades.
- Networks, Electronic Mail, Remote Access, Internet Access, Internet Servers, Security and Firewalls.

Typical Applications

- Financial Systems. Fixed Income Security Analytics.
- Mortgage Backed Securities Pricing (CMO/MBS/OAS).
- Foreign Exchange Trading, Direct Dealing & Matching.
- Electronic Funds Transfer & Payment Systems.
- Banking System: ACH, NACHA, Credit Card Clearing.
- Secure Real-Time Transaction Processing.
- Remote Information Transfer, Delivery & Routing, Store & Forward Messaging Systems. Embedded Sys.
- Communications, Networks, Internet, Firewalls/Security.
- Web Sites, Email, Online Ordering and E-commerce.
- Business Process Automation and Applications.
- Accounting, Billing, Invoicing & Manufacturing Systems.
- Inventory Control, Product Rental, Order Entry, POS.
- Data Acquisition, Import, Analysis, Scrubbing, Storage.

**** YOUR CUSTOM NEEDS WILL BE ACCOMMODATED ****

Operating Systems

UNIX: AIX, HP-UX, IRIX, SCO/OpenServer/Unixware, Solaris.
LINUX: CentOS, Debian, Fedora, Knoppix, Mandrake, Mandriva, Novell, RedHat, SuSE, Ubuntu, UnitedLinux.
BSD: BSD/OS, FreeBSD, NetBSD, OpenBSD.
VMS: OpenVMS, VAX/VMS, VAXclusters, VMSclusters.
WIN/DOS: Windows Server/Workstation/Desktop. DOS, FreeDOS.

Programming Languages

C, C++, Pascal, FORTRAN, RATFOR, BASIC, PL/1, PL/C, Perl, PHP, Prolog, Yacc/Lex, 4GL, SQL, ESQL, CGI, HTML, CSS.

Assembly Languages

80x86/8088, V20, 8085/8080, Z80, 6809/6800, 680x0, PDP-11.

Database Engines/Languages (selected)

Informix, MySQL, Oracle, RDB, SQL Server, Sybase, Custom.

Command Interpreters/Scripting Languages

UNIX Shells (sh, ksh, csh, bash), DEC DCL, DOS/Win Scripting.

Hardware Environments (selected architecture history)

AT&T: 3B5, 3B2, 3B1, UNIX-PC. **ALTOS**: 68000. **APPLE**. **NEXT**.
DEC: VAX, VAXcluster, Alpha, PDP, LSI. **HP**: PA-RISC 9000.
IBM: RS/6000, Power, AS/400, Mainframe. **SGI**: Indy, Origin.
SUN: 3, 4, IPX, Sparc 2, 5, 10, 20, Ultra, Netra, Blade, Fire.
x86: 8088, 80x86, V20, K6, Pentium, Core, Xeon, Athlon, Opteron.

Facilities Available

Cross-Platform Multi-User Development and Test Environments. High Speed Dedicated Internet Access. Internet Servers. Electronics Laboratory. Computer, Electrical/Electronics, Network Cabling and Telephony Test Equipment. Machine Shop/Tools.

Education and Certification

The Cooper Union, School of Engineering (New York, NY), Master & Bachelor of Engineering in Electrical Engineering. Licensed & Registered Professional Engineer, State of New York.

Professional Activities/Associations/Affiliations

ACM. Encompass/DECUS NY Metro LUG. IASA. ICCA*, ICCA-NY*. IEEE, Computer Soc., Consultants Networks USA/NY/LI. LOPSA. NAFE. NSPE, PEPP, NYSSPE. NYCDotNetDev. NYCOSUG. NYeWin. NYLUG. NYSA. PowerAIX. SunSmart. UniForum. Unigroup NY. Usenix, SAGE/LISA. (*fmr)

Celebrating 30+ Years in Business!