
MEADE C. SWENSON

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SUMMARY OF QUALIFICATIONS

Results-driven software engineer with superior commitment to the development of high quality software products. Excellent interpersonal skills, recognizing the need for both strong teamwork and individual contributions. Adept at efficiency gains through evaluation of trends and task automation. Strong communicator, proficiently interacting at multiple organization levels including executive management, clients, vendors, and operational staff. Effectively leverages technical and teamwork skills obtained through dedicated service in U.S. military.

TECHNICAL EXPERTISE

Highly experienced in multiple facets of software engineering, including expertise in the following components:

- **Languages:** Visual C++, MFC, HTML, C, Visual Basic, Oracle ProC and ProFORTRAN, SQL, X-Windows, Motif, and FORTRAN.
- **Database Systems:** SQL Server, Oracle, and MS Access.
- **Operating Systems:** MS Windows XP/NT/9x, Sun Solaris, UNIX SVR4, AOS/VS-II, and MS DOS.
- **Hardware:** Intel PCs, Sun SPARC-20, NCR Tower, and Data General MV Series.
- **Programming Tools:** Visual Studio 2005/6.0, AQTime, AQDevTeam, Visual SourceSafe, BoundsChecker, Purify, Acrobat, Help Magician Pro, DevTrack, Wise Installation System, InstallShield
- **Software:** MS Word, Excel, Project, Outlook; Paint Shop Pro; Norton Internet Security; QuickBooks Pro; Visio; ZoneAlarm Pro; WinHex; and EasyFlow
- **Lifecycle Phases:** Business Analysis, Requirements Gathering, System and Database Design, Application Development and Testing, User Documentation, Technical Writing, Release Management, Defect Control, Technical Support, Client Management, and Standards Development.

PROFESSIONAL EXPERIENCE

INTERSPEC, INCORPORATED – *Portland, Maine*

2005 – Present

Senior Software Developer

Environment: Windows XP, Visual Studio/C++, MFC, SQL Server, AQTime, AQDevTeam, Excel, Word, Outlook, and WinHex.

Joined aggressive software development start-up company to support commercialization of internally developed software suite. Position responsible for requirements gathering, functional design, database design, legacy analysis and integration, and unit testing. Additional duties include assisting project manager in managing the software engineering lifecycle, including configuration management, release management, and architectural evolution.

- Rapidly rose to lead developer position by resolving multiple outstanding “show-stopper” design issues.
- Introduced and leveraged object-oriented design techniques that encapsulated common functionality, leading to dramatic reduction in maintenance points.
- Proven software design expertise earned responsibility for designing products’ next generation.

EMCRYSS SYSTEMS, LLC – *Portland, Maine*

2000 – Present

Owner, Software Engineer

Environment: Windows XP/2K/NT/9x, Visual Studio/C++, HTML, Access, BoundsChecker, Adobe Acrobat, Help Magician Pro, Wise Installation System, Excel, Word, Outlook, Iomega Backup, Norton Antivirus, ZoneAlarm Pro, QuickBooks Pro, WinHex, Paint Shop Pro, and Borland C.

Founded formal software development enterprise to design and develop commercial, PC-based accounting applications for youth organizations. Personally conduct end-to-end development operations including: requirements gathering, analysis, and consolidation; application design, specification, and development; unit, integration, and system testing; installation development; technical documentation; and release management.

- Managed controlled software evolution from original DOS-based C code to current Windows-based C++ code, replacing linear logic and library-based functions with object oriented GUI, business, and data classes.
- Designed and programmed latest release using multi-tiered model, with presentation, business, and database layers, providing for future evolution of database tier from proprietary implementation to COTS package.
- Routinely evaluate “build or buy” issues, leveraging COTS components as appropriate by integrating with proprietary code, providing cutting edge capabilities while reducing development and maintenance costs.
- Developed extensive set of sub-classed MFC components that provide consistent, feature-rich user interface.

Owner, Software Engineer (continued)

- Designed, produced, and integrated extensive user guide and online help that provides procedural-based descriptions of software use, credited with dramatically decreasing incoming technical support requests.
- Developed strong appreciation for technical and user teamwork through ongoing interactions with contractors and end-users, regularly reviewing software issues for technical efficiency and system usability.
- Popularity of software has resulted in thousands of units sold across three major upgrades.

FORUM FINANCIAL GROUP – *Portland, Maine*

1998 – 2000

Business Analyst

Environment: Windows NT, Visual SourceSafe, Access, DevTrack, InstallShield, Word, Excel, Outlook, Visio, PowerPoint, and Project

Invited to join leading full-service provider of mutual fund administration services, processing \$94 billion in client assets across 345 client funds. Served as liaison between functional business units and system development teams, responsible for analyzing business functions and coordinating software development efforts. Duties included developing and maintaining IT life-cycle policies and procedures manuals.

- Introduced formal change management procedures, providing a disciplined approach to system evolution that limited risk to existing production capabilities.
- Established documentation Style Guide that presented consistent design for internal technical manuals.
- Conducted detailed JAD sessions with users and technical teams, resulting in comprehensive requirements for integrated reference, procedure, and tutorial help system, providing both novice and expert users with immediate access to appropriate levels of assistance.
- Successfully planned and managed corporate Y2K program, directing departmental teams through analysis and remediation of all hardware, software, and infrastructure systems, providing 100% Y2K compliance.

VGS INCORPORATED – *Portland, Maine*

1992 – 1998

Senior Programmer to Defense Communications Agency

Environment: Sun SPARC-20, Solaris; C; Oracle RDBMS and ProC; SQL; X-Windows; Motif; Purify; Word, Excel and Access.

Aggressively courted and recruited back to software consulting firm, serving as GUI specialist in X-Windows and Motif interface development. Duties included the design, specification, development, and testing of Command and Control applications, including real-time conflict monitors, database management tools, and report generators.

- Conducted comprehensive evaluation of Motif toolset and designed implementation path for migrating legacy systems from proprietary user interface to Motif toolset under an X-Windows system.
- Driving force in the definition of GUI, programming, configuration, and documentation standards, credited with significantly streamlining organization's system development life-cycle.
- Designed, implemented, and maintained extensive GUI software libraries, enabling novice Motif programmers to rapidly implement standard user interfaces well ahead of normal learning curve.

SHAW'S SUPERMARKETS INCORPORATED – *East Bridgewater, Massachusetts*

1991 – 1992

Systems Analyst

*Environment: NCR Tower, UNIX SVR4, Oracle, SQL*Forms, Project, and Word*

Recruited by leading New England supermarket chain to serve as team leader, responsible for managing end-to-end development of corporate ordering system. Directed six in-house and contract analysts and developers throughout analysis of user requirements and integration with legacy systems. Additional duties included candidate interviewing and providing hiring recommendations to senior management.

- Served as liaison between Shaw's and its foreign parent corporation, leveraging communication and moderator skills to bridge corporate culture differences, enabling teams to focus on end product.
- Successfully fielded comprehensive sales monitoring and ordering system for perishable goods, utilizing trend analysis that ensured accurate requisitioning that reduced product clearance and spoilage.
- Developed comprehensive interview exam that tested candidates' knowledge of C programming language, used to successfully advance only the most skilled candidates to following interview phase.

VGS INCORPORATED – *McLean, Virginia*

1989 – 1991

Senior Programmer to Defense Communications Agency

Environment: Data General MV Series, AOS/VS-II, Oracle RDBMS and ProC, SQL, FORTRAN, WordPerfect, Word, and Harvard Graphics.

Senior Programmer (continued)

Joined professional software development team contracted to design and implement applications supporting the nuclear war planning community. Identified and analyzed user requirements for interactive and batch processing systems, data reporting capabilities, functional management tools, and software management tools for developers.

- Driving force in designing, coding, and supporting comprehensive software libraries that increased code re-use and dramatically reduced development effort while bringing consistency to user interfaces.
- Personally designed and implemented more than 20 integrated Oracle database subsystems, involving over 200,000 lines of code, well ahead of schedule and budget through incorporation of software libraries.
- Exceptional communications skills led to selection as system installer and trainer at command centers in U.S. and Europe, responsible for training ranking officers on military applications and system use.

UNITED STATES AIR FORCE – *The Pentagon, Arlington, Virginia*

1985 – 1989

Computer System Development Officer, Defense Communications Agency

Environment: Data General MV Series, AOS/VS-II, Oracle RDBMS & ProFORTRAN, SQL, FORTRAN, WordPerfect, Word, Harvard Graphics, Flow Chart, and Easyflow.

Selected for superior business analysis and software development skills to design and implement comprehensive, classified systems for the Department of Defense. Directed major effort in fielding strategic nuclear war planning system, including management of all stages of project life cycle. Led team of five programmer/analysts while providing technical coordination with off-site contractors.

- Key player in successful two year, \$10 million development of integrated Nuclear Planning and Execution System for the Department of Defense Joint Staff and its nuclear commanders.
- Personally designed and developed comprehensive release editing capability that enabled organization to rapidly deploy production changes worldwide, savings hundreds of thousands of dollars in travel expenses.
- Received Joint Service Commendation Medal for strong leadership skills with superior technical expertise.
- Held security clearance of Top Secret/SIOP-ESI with SBI.

PROFESSIONAL TRAINING

<i>Software Development Best Practices</i> , UNITED BUSINESS MEDIA – <i>Boston, Massachusetts</i>	2005
<i>Object Oriented Analysis and Design</i> , IEEE CONTINUING EDUCATION – <i>Woburn, Massachusetts</i>	2001
<i>Visual Basic Programming</i> , UNIVERSITY OF SOUTHERN MAINE – <i>Portland, Maine</i>	1998
<i>UNIX System and Network Administration</i> , THE LEARNING TREE – <i>Reston, Virginia</i>	1993
<i>X-Window Systems Programming</i> , THE LEARNING TREE – <i>Reston, Virginia</i>	1993
<i>Software Engineering Training</i> , R.S. PRESSMAN & ASSOCIATES – <i>Arlington, Virginia</i>	1991
<i>User Interface Design</i> , UNIVERSITY OF MARYLAND – <i>Collage Park, Maryland</i>	1990
<i>Squadron Officers School</i> , UNITED STATES AIR FORCE – <i>Arlington, Virginia</i>	1986

ASSOCIATIONS AND AFFILIATIONS

<i>Institute of Electrical and Electronics Engineers, Computer Society Member</i>	1998 – Present
<i>American MENSA, Member</i>	1991 – Present
<i>Association of Computing Machinery, Member</i>	2000 – 2001
<i>Maine Outdoor Adventure Club, Treasurer</i>	1997, 2002 – 2004
<i>Cardinal Forest Condominium Unit Owners Association, Board of Directors</i>	1990 – 1991

EDUCATION

SYRACUSE UNIVERSITY – <i>Syracuse, New York</i>	1985
<i>Bachelor of Science in Computer Science, 3.6 GPA in major curriculum</i>	
<i>Four Year Air Force ROTC Scholarship</i>	
<i>National Dean's List</i>	