

JoAnn Peeler

Home 727.799.2007
Work 727.579.1111 x3470

1826 Winwood Drive
Clearwater, FL 33759
jpeeler@tampabay.rr.com

AREAS OF STRENGTH

- Full life-cycle Software Engineering
- Object-oriented analysis and design using UML
- Client-server, web based solutions using C++, Visual Basic and SQL
- Requirements and functional analysis
- Communication and training

PROFILE

- 20+ years experience in software engineering, software architecture, software development methodology and practices, web, Internet/intranet, distributed application, client/server, object-oriented analysis and design, requirements analysis and modeling, data modeling and database design.
- Highly experienced C++ developer producing technical designs, class libraries and developing optimal solutions.
- Chief technical architect of online, web-based HRMS/Payroll system using HTML, COM/ActiveX and SQL Server. Analyzed and produced system requirements and functional designs for online payroll service supporting a large online client base.
- Produced training materials and taught classes directed at developers, technical support and end-users.
- Highly disciplined Software Engineer focused on producing high quality, high performance software systems.
- MCSD (WOSA), MCSE (NT4), Certified Payroll Professional (1995).

TECHNICAL EXPERTISE

- | | | |
|-----------------------------|------------------------------|--------------------|
| • C++ | • Visual Basic | • SQL/Transact SQL |
| • Java | • X86/Pentium Assembler | • ASP/HTML |
| • Microsoft Access | • LEX/YACC | • COM/ActiveX |
| • UML Modeling | • UML Use Cases | • MFC/ATL |
| • Visual Source Safe / PVCS | • Visio | • Microsoft Office |
| • Unix / Linux | • Windows NT/2000/XP (Win32) | • Embedded Systems |

EMPLOYMENT

Best Software, St. Petersburg, FL

Principal Design Analyst, 2002 – Present

Managed small design teams, analyzed software systems and produced detailed requirements and functional design specifications. Used UML modeling to depict both requirements and design. Notable projects include online payroll service (Peachtree Payroll Service) targeted at small companies located in all domestic tax jurisdictions (federal, state and locals.) Involved in several development phases including detail requirements, project estimation, functional designs, in-house training and testing.

Best Software, St. Petersburg, FL

Senior Design Specialist, 2000 – 2002

Analyzed software requirements to produce detailed requirements specifications and use cases which in turn were used to produce functional specifications for several products. Notable projects include a client/server HRMS/Payroll system for mid/large market companies (Abra Enterprise.) Instrumental in introducing UML modeling to design department resulting in improvement of the department's requirements and design specifications. Produced design specifications for a general purpose HRMS/Payroll data import tool (Payroll Link) to speed the conversion to Abra Enterprise from competitor's products.

Best Software, St. Petersburg, FL

Principal Software Engineer, 1998 – 2000

Chief technical architect for online, web-based HRMS/Payroll system (Abra Enterprise). Provided technical designs and system components constructed using C++/ATL and Visual Basic. System components supported DCOM distributed object protocol and provided a data access layer to SQL Server allowing client based user interfaces to interact with back-end across the Internet or corporate LAN/WAN. Provided team leadership for the conversion of a desktop based payroll calculation engine to a client-server environment. Designed relational table structures for Microsoft SQL Server along with stored procedures.

Best Software, St. Petersburg, FL

Senior Software Engineer, 1994 – 1998

Developed C++ software components and services for Abra Suite, a desktop HRMS/Payroll product for the mid-market. Constructed a C++ template-based library of container classes used to speed the development of a payroll calculation engine. Primary developer assigned to product installation and installation utilities. Experience using InstallShield to build installs and building custom components for InstallShield using C++.

Baxter Healthcare Corporation, Pinellas Park, FL

Senior Software Engineer, 1991 – 1994

Developed real-time, embedded systems for managing treatment communications between dialysis machines using object-oriented C++ and assembly for the Motorola 68HC11 microprocessor. Developed urea monitor data collection and analysis application for Microsoft Windows using C++ and Btrieve database. Responsible for writing system verification and validation documents for testing software. Assisted QC Engineering with unit and system testing.

Dynaflex, Inc., Clinton, TN

Software Engineer, 1989 – 1991

Developed embedded systems using C++/C_Talk and designed electronics and circuit boards for continuous passive motion machines (used for physical therapy.)

Bits and Bytes, Inc., Oak Ridge, TN

Computer Consultant, 1987 – 1989

Developed embedded control software for robotic applications using C, C++, Forth and 68000/8086 assembly.

EDUCATION

Florida State University, Tallahassee, FL

B.S. Computer Science (In Progress), Graduation Date Summer 2005

CERTIFICATIONS

- Microsoft Certified Solution Developer (MCSD) – Microsoft, 1998 – 2000
- Microsoft Certified Systems Engineer (MCSE) – Microsoft, 1998 – 2001
- Certified Payroll Professional – American Payroll Association, 1995 – 2001

PROFESSIONAL/ACADEMIC SOCIETIES

- Institute of Electrical and Electronics Engineers (IEEE), 2004
- Association for Computing Machinery (ACM), 2004
- Upsilon Pi Epsilon, Honor Society in the Computing Sciences, 2003