

Johnie Wardlaw

Tyrell Software Corporation

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Summary

With 19 years of professional IT experience and skill designing, implementing, maintaining and upgrading complex information systems, Johnie is one of the most sought-after developers in the Orange County / Los Angeles area.

Skills

Programming Languages: C, C++, Java, JavaScript, PHP, Python, UNIX Shell, VBScript, Visual Basic

Tools and Technologies: ADO/OLEDB, Apache, ASP, CVS, Enterprise Objects, Frontbase, HTML, IIS, Java SDK, Java Swing, JBuilder, JDBC, JSP, Linux, Mac OS X, Macintosh, Make, Mysql, ODBC, OpenBase, Oracle, Perforce, Platinum ERwin, Plone, PostgreSQL, Rational Rose, SQL Server, UNIX, VBA, Visual Studio, VSS, WebObjects, Windows, XML, Zope

Proficiencies: OOA&D, ODP

Experience

Family Vet, Inc.

Currently leading the effort for the design, implementation, and testing of a veterinary office application using Java, Swing and WebObjects. The user interfaces were designed by the client and integrated with a Java client framework to access services on the WebObjects server.

Modern Postcard

Extended a prototype NetBIOS client and server system provided by the customer to allow light weight network communications between a FoxPro DOS application and a Windows 2000 server process. The client assembly language source was enhanced to allow dynamic message sizes and to define a higher level message packet structure. Message packing and unpacking was provided in FoxPro DOS and in C/C++ on the server side. The server was multi-threaded and listened on all available NetBIOS capable adaptors.

Raining Data Corp.

Together with the Raining Data team, assisted with the design, implementation, and testing for a new Java Swing-based application mid-project. Set up JFCUnit for unit testing the initial user interface. Produced formal design documentation, UML models and diagrams

Experience continued

for a threaded messaging system to integrate the user interface to a new services API. Started the initial implementation of the message system and provided transition training for the development team.

mac-fusion/Orange County Visitors Bureau

Assisted with enhancing and troubleshooting HTML forms with PHP and ASP for database storage and email delivery.

Chino Valley USD

Led project management, design, implementation and testing for the development of test definition, reporting, and online testing applications using Java, WebObjects, and OpenBase. Teacher, student, and class schedule information is imported from their existing SIS (Student Information System) and test results are exported back. The database server and applications were deployed to Apple Xserve hardware.

Freight Management, Inc.

Designed, implemented and tested a custom freight delivery schedule system in PHP. User management functionality was also added to restrict access to specific customers and freight companies. A shell script was created to send daily delivery schedule to customers via email. Designed, implemented and tested a password management system to allow customers to access specific freight related sites using a single login and password. User management functionality was extended to manage additional passwords for these sites. Deployed to a hosted RedHat Linux server running Apache, PHP, and MySQL.

Stratum New Media

Upgraded the California Olive Industry's RecipeBox web application to the latest version of WebObjects and FrontBase, and implemented a redesigned user interface.

PowerSchool SIS v3.0

Implemented custom scheduler reports for Apple's PowerSchool School Information System v3.0 Master Schedule Builder utilizing Java, Oracle, and PDF technologies.

AIT, Inc.

Enhancement work with computer telephony, database, and client/server technology on Unix and Windows in C, C++, and Visual Basic. Expert advice for AS/400 port. Expert advice for performance testing. Java prototype for proof of concept project. Expert analysis of future projects with formal documentation.

AgenCourt

Internet application in Java including HTTP and JFC (Swing). LED sign driver in Java including HTTP and proprietary TCP/IP sign protocol.

Business Engine Software Corp.

XML performance enhancements, ADSI/LDAP support for web password validation, a database search engine, system customization features. C, C++, VB, ASP, and JavaScript development on Windows NT and Windows 2000 platforms running IIS with SQL Server or Oracle databases.

IMA, Inc.

Led team for AS/400 product port, designing and implementing new object architecture. Enhanced performance of NT product. Led team designing and implementing object services architecture. JSP based website for spin-off company.

Netel Educational Systems

Designed and developed a student information system for the tracking of attendance, conduct, curriculum, demographics, grades, health, food service, report cards, and scheduling for Microsoft Windows 3.1, Windows NT Workstation 3.5, and Macintosh System 7 using the XVT and XI graphical user interface libraries, the Intersolv Datadirect ODBC Developer Toolkit, and Visual C/C++.

Developed interface of school information system to Microsoft SQL Server, Sybase 10, Netware SQL, Btrieve Scalable SQL, and dBase files using ODBC.

Coffman Systems, Inc.

Designed and developed software for automated backups, optimized data importing into their database system running on a Unix platform, phone operator mail-merge hot key functions, and FAX system interfaces.

Designed and developed several performance-monitoring utilities in C on Unix to simulate multiple operators running telemarketing database software to determine maximum load of machine.

Helped to develop a SQL compatible reporting language using C, yacc, and lex on Unix to provide reporting within the software and interactive queries to the user.

Designed and developed a utility to transfer data files between different host environments that the product was running on. Programs were written in C on Unix and in BASIC on Pick systems.

Assisted with maintaining the software library of C routines used to emulate a Pick run time environment on a Unix system.

Education**University of California, Riverside, CA (1983-86)**

Senior status in computer science program. All mathematics and computer science courses were completed.