

# David (Dai) Jones

Senior Software Development Consultant

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## Summary

A seasoned veteran of many software development campaigns. Contributions range from high level design through low level implementation, testing and packaging, utilizing a variety of programming languages and development environments for a diverse set of industries. Listed below is a sampling of many contributions:

- Working with UBS Financial Services Inc., provided ongoing technical support for the Investment Wealth Management branch in the area of Quarterly Performance Reporting. Re-designed and implemented production infrastructure to handle multiple batches of ~10,000 accounts simultaneously in a multi-processor (UNIX and IBM/TSO mainframe) environment. Designed/developed new product monitors (producing Quarterly Reports); enhanced and optimized existing product monitors; provided production support through data-analysis and debugging; documented production processes; designed/implemented processes to simplify production; trained client employees.
- Working with Rogue Wave Software Inc. Engineering Group, provided fast turn-around, web-based, help-desk, remote technical support for specialized, PC oriented GUI component library (based on Microsoft Foundation Classes). Advised customers on application development strategies; reproduced/debugged customer programming problems and provided solutions and/or work-arounds in a timely fashion

Specialties:

- Computer Programming & Analysis
- Remote Development and Technical Support
- Reproducing/Debugging/Fixing complex Programming Bugs
- Product Enhancement & Optimization
- Regression Testing
- C++ programming (10 + years)
- C programming (15 + years)
- Python, PHP, Fortran, csh scripts, ksh scripts, m4, HTML, TCP/IP, Tcl, Expect, Perl, Java
- UNIX, PC application development
- MySQL
- Informix
- Oracle
- MS Access
- MS SQL Server
- ODBC
- Sybase

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## Experience

### **Senior Software Consultant / Principal at X+1 Technologies, Inc.**

1994 - Present (22 years)

- Supply services to a variety of clients primarily obtained through networking and word-of-mouth
  - Continuously look for new challenges and ways to implement new technology, web development tools and web support
  - Provide timely and efficient remote support, assistance and software solutions for clients throughout North America
- During this time, as an independent contractor, have managed many different projects, several of them overlapping in time-span, including the following:

### **Contractor at Pitney Bowes Software**

2012 - 2014 (2 years)

Performed development work on a parcel tracking system. Technology: .Net C#/SQL Server.

### **Senior Software Developer, Support Specialist at UBS**

2000 - 2014 (14 years)

- Provide ongoing technical support for Investment Account Management Services branch in the area of Quarterly Performance Reporting. Re-designed and implemented production infrastructure to handle multiple batches of ~10,000 accounts simultaneously in a multi-processor (UNIX and IBM/TSO mainframe) environment
- Design/develop new product monitors; enhance and optimize existing product monitors; provide production support through data-analysis and debugging; investigate and troubleshoot programming problems; document production process; suggest processes to simplify production; train client employees

### **Senior Consultant at TSG**

2010 - 2011 (1 year)

- Developed a web-scanner for maintaining web-site links (URLs) and reporting on changing status (new, deleted, changed). Written in Python and utilizing MySQL for link repository.
- Responsible for developing and implementing load testing strategy and miscellaneous batch processing facilities.
- Produced GUI for viewing, editing and checking validity of URLs. Technology: Python/PMP/MySQL/Linux.

### **Senior Technical Support Engineer at Rogue Wave Software**

2001 - 2003 (2 years)

- Provided fast turn-around, web-based, help-desk, remote technical support for specialized, PC oriented GUI component library(based on Microsoft Foundation Classes)
- Advised customers on application development strategies; reproduced/debugged customer programming problems; provided solutions and/or work-arounds in a timely fashion; provided customers sample programs to demonstrate how to work around issues; successful turn-around on difficult problems

### **Professional Services Consultant at Rogue Wave Software**

1998 - 2003 (5 years)

Performed, on a contract basis, on many projects for several clients including Dun and Bradstreet and Chase Manhattan Bank.

### **Senior Software Developer at Chase**

1999 - 2000 (1 year)

- Designed and developed key components of a securities management system.
- Collaborated with 20 other developers and spent 50% of time on-site in this challenging, high-stress position. Technology: C++/UNIX.

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## **Volunteer Experience**

### **Director at Alberta Padel Association**

March 2009 - Present (7 years)

[www.padelalberta.org](http://www.padelalberta.org)

### **Director at Hawkwood Community Association**

December 2014 - Present (1 year 3 months)

**Director at Padel Association of Canada**

2004 - 2008 (4 years)

www.padelcanada.ca

**Condominium Board Member at Lakeview Green Phase 3**

2008 - 2011 (3 years)

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## Skills & Expertise

**Unix**

**Software Development**

**Integration**

**Microsoft SQL Server**

**SSRS**

**C#**

**Enterprise Architecture**

**Testing**

**C++**

**Databases**

**C**

**Software Project Management**

**Oracle**

**Software Engineering**

**Java**

**Programming**

**Python**

**T-SQL**

**HTML**

**SDLC**

**Quality Assurance**

**Solution Architecture**

**Ksh**

**.NET**

**MySQL**

**TCL**

**Device Drivers**

**SQL Server Management Studio**

**csh**

**Informix**

**Fortran 95**

**m4**

**Unix Shell Scripting**

**Oracle Enterprise Manager**

**odbc**  
**Sybase SQL Anywhere**  
**IIS**  
**XAMPP**  
**Ruby on Rails**  
**Oracle Database**  
**VirtualBox**  
**Ubuntu**  
**PHP**  
**PHPList**  
**PhpMyAdmin**  
**Joomla**  
**Ruby**

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## **Education**

**University of Calgary**  
Bachelor's Degree, Computer Science

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[Contact David \(Dai\) on LinkedIn](#)