

## TIMOTHY JONES

11305 Linbanks Place  
Temple Terrace, FL 33617  
(813) 900-8131  
tim@timjones.com

### **TECHNICAL SKILLS**

Operating Systems: Linux (Debian/Ubuntu & RedHat), Solaris 2.4 - 2.10, OpenSolaris  
All versions of Windows up to XP + plus typical productivity apps.  
Programming Languages: C/C++ (gcc & Sparcworks), Java (Sun only), Javascript,  
Perl 5.004 - 5.10, Python 1.5-2.6, Ruby 1.8.  
GUI Frameworks HTML/CSS/DOM (All open-source web browsers), ZKoss 2.5.1  
Java/Swing, Java/SWT, KDE/Qt, Gnome/GTK, X11/Motif/Xt  
IDEs/Debugging tools: vi/make, Eclipse, Netbeans, Valgrind, Purify/PureCov/Quantity  
Java Libraries: Xalan (XSLT), Xerces (XML parser), Apache FOP (PDF generation),  
Axis/XFire (XML/SOAP)  
Web Frameworks: JSP, XSL, J2EE, RoR, PHP.  
Web Servers: Apache, Tomcat, SunOne AS 8.1, SJSWS 7, iPlanet 6  
Testing Frameworks: Selenium, JUnit, HttpUnit, CppUnit, HtmlTidy  
OLAP Processing: Oracle OLAP and Pentaho/Mondrian  
SQL/Relational DBs: Oracle 9i, 10g, and 11g, MySQL 3.22 - 5.1, PostgreSQL 7, Informix 5-7  
Database APIs: JDBC, Perl DBI, Ruby ActiveRecord, HenPlus  
Messaging APIs: Unix IPC (shared memory, semaphores, message queues)  
Active MQ, IBM MQ, JavaMail, SMS gateways, SMTP/POP/IMAP  
Networking expertise: All aspects of Ipv4 networking (subnets, routers incl/Cisco, VPNs, NAT).  
Networking programming: Familiar with TCP/IP & UDP socket APIs in C, Java, Perl, Python, Ruby.  
Networking protocols: Experience coding implementations of HTTP, SMTP,  
Source Control Systems: Synergy/Continuus, Subversion, CVS, SCCS.  
Mainframes: C & SQL/MP coding on HP/Tandem Guardian/NonStop systems (G6.xx)

### **EXPERIENCE**

#### ***Syniverse Technologies Tampa, Florida***

#### ***Sr. Systems Eng./Development Nov. 2001 - Present***

Enterprise-level software development supporting wireless service providers around the world.

- Worked on several teams to design, code, test and document new software releases to support new wireless messaging functionality
- Performed release management, and production support as needed.
- Won management backing to start doing automated nightly testing, to test in all browsers (not just Internet Explorer), and to move towards more other modern, agile practices.
- Mentored others on software diversification, and the use of open protocols & standards.
- Demonstrated how to establish vendor independence and taught the benefits of cross-platform programming.

Specific products/topic areas worked on:

- STARS/STREAMLINER: Cellular Billing / Invoice / Reporting
- VisWise, Roaming Partner Analysis, PanWise, UniWise: Four closely related OLAP / Visualization / Business Intelligence to enable operators to proactively monitor and troubleshoot their cellular networks, in near-real-time (includes CDMA-to-GSM Voice, SMS/MMS, Data)
- CNAM-LIDB (Caller ID / Name / Line Information Databases)
- AAA / Radius Broker (roaming WIFI). Wrote C plugins to Funk Software's SBR product.
- Internal Application Monitoring / Alerts / Analysis – Periodically parses non-financial data from internal applications such as data flow / event counts in near-real-time, and present them in one unified web application.

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### **Ajilon Services Tampa, Florida**

### **Sr. Applications Developer March 2001 - Nov. 2001**

Temporary position at first. Converted to Full-time Syniverse employee at end.

- Assigned to Telecommunications Services Incorporated (TSI, then a division of Verizon).
- Started development of TSI's S.T.A.R.S. Product
- In 2004, TSI changed its name to Syniverse (see first page)

### **LinuxTampa.com Temple Terrace, FL**

### **Owner/Principal Consultant Sept. 1999 - March 2001 (full-time) March 2001 - present (part-time)**

Custom Application Development for the "dot-com" community. Select projects include:

- Linux-based ATM cash machine (RedHat Linux 6.1, KDE2/Qt/SDL). Unusual hardware included ELAN Touchscreen, motorized keyboard tray, bill dispenser, credit card reader and 12-key serial keypad.
- Database-driven websites (mostly Perl/PHP),
- Customizations to multi-cast router software
- Provided web hosting and admin/backup services for area customers.
- Java/SWT-based Linux application to browse, police video footage, add metadata tags such as offense type, officers present and GPS locations (complete with maps from OpenStreetMaps.org synchronized with the video playback), and burn selected segments to DVD for prosecution.

### **Perot Systems (Technical Resource Conn.) Designer / DBA Tampa, Florida Jan 1998 - Sept. 1999**

Enterprise consulting and application/systems services to the Fortune 500.

- Assigned to Y2K conversion project for Eagle Asset Management (Jan 1998 to May 1999)
- Took ownership of the database conversion, covering all schema changes to GIM/II product..
- Ported dozens of small in-house Informix 4GL programs and reports.  
(Informix 5.0/Sequent to Informix 7.3x on Sun/Solaris)
- Implemented daily trade confirmation application (Java SE)
- Implemented an automatic pricing feed (Java SE) from the Bloomberg service.
- Over Easter weekend (April 1999), executed the final conversion of Eagle's entire operation to the new platform/database.
- Worked on performance benchmarking and documentation for an ongoing pharmacy automation project for CVS, the national drugstore chain. (May 1999 to September 1999).

### **Decision Consultants, Inc. St. Petersburg, FL**

### **Programmer / Analyst August 1997 to December 1997**

Temporary contract at Nielsen Media Services in Dunedin, FL

- Contracted during beta test of an existing product called Galaxy Explorer, which was a report engine for television viewing statistics.
- Working on the server/back-end half of the product, discovered root problems for bug reports, and implemented code changes to resolve them. (C++ on Solaris only)
- Validated code changes against large regression test suite.

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### **AT&T Microelectronics/Lucent Technologies Software Engineer Orlando, FL August 1995 to August 1997**

High-end factory automation in a microchip factory in a 100% Solaris / X-Terminal environment.

- Assigned to Equipment Control Logic team.
- Gathered requirements for a workflow automation application for one piece of machinery in AT&T's microchip factory in Orlando.
- Re-factored this implementation into a generic toolkit/framework to cover most processing stations.. It was then cloned and subclassed by other teams who were developing automation applications for a wide variety of chip fabrication stations (dry/wet etch, electro/chemical vapor deposits, ion implantation and plasma ashing)
- The resulting application was an X11/Motif Graphical User Interface, possessing macro record/playback and scripting capabilities, including automated cut-and-pasting of specified screen fields in different terminal programs. (X11/Motif, C, C++)

### **Transportation Systems Consulting Sr. Programmer Analyst Palm Harbor, FL April 1992 to August 1995**

Micro-ISV serving small airline operators with FAA/CAA-compliant aircraft maintenance software.

- Implemented programs in the AMIS-2000 Aviation Maintenance Information System (TSC's flagship product), according to requirements.
- Covered areas of functionality included work order management, financial reporting/payroll, inventory control, repair orders, purchase orders, and maintenance document management.
- Participated in the porting of AMIS-2000 to over 15 distinct releases of Unix. Became completely versed in the value of source-code portability, coding standards, and strict adherence to open APIs.
- Enabled new customer configurations by porting the Unify-2000 database module to Informix and Oracle. .
- On occasion, performed on-site customer installs and support.
- Towards the end, took on most of the release packaging and life cycle management duties.

### **INDUSTRY TRAINING**

- 2007 - Strategies in Automated Testing of Web Applications
- 2007 - Introduction to JavaServerFaces (JSF) - IECubed
- 2005 - XML/SOAP/WebService, IECubed
- 2004 - Wireless Tech., 802.11a/b/g, Bluetooth, ZigBee, 2.5G & 3G Cellular Wray Castle
- 2004 - OLAP Fundamentals, IECubed
- 2002 - Beginning Spanish II (internal Syniverse)
- 2001 - Programming Windows Media Player Skins - Microsoft, Redmond, WA
- 1999 - Unified Modeling Language - Perot Systems, Tampa, FL
- 1998 - Advanced Java Development - Perot Systems, Tampa, FL
- 1997 - Intro to Java Development - Decision Consultants, Clearwater, FL

### **FUN**

- Plays in Sunshine Brass Band since 2001, and in Wesley Chapel Wind Ensemble since 2008.
- Spanish Language studies since 2003: Intermediate Level
- Active in local Linux community. Participates in volunteer build/installs events..