

# TOM OLESON

## SENIOR SOFTWARE ENGINEER



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<https://tom-oleson.github.io/>

## SKILLS

### LANGUAGES

**C/C++, Java, Python,**  
HTML/CSS, XML, JavaScript

### OPERATING SYSTEMS

**Linux/RHEL, Windows,**  
**Solaris, Unix, AIX, DOS, OS/2**

### MIDDLEWARE

Steel-Belted RADIUS,  
**FreeRADIUS**, JBoss,  
**Apache/Tomcat**, Weblogic,  
WebSphere

### FRAMEWORKS & APIs

**POSIX Threads**, Sockets, STL,  
ODBC/JDBC, **OCCI**, AWT, J2EE,  
JDOM, XPP, CMF, SAX, Junit,  
Struts, log4j, CPPUnit, **REST**

### BACKEND

**Oracle**, Microsoft SQL Server,  
IBM DB/2, Sybase, **MySQL**,  
**Postgres**, Red Brick, dBASE,  
FoxPro

## OVERVIEW

Accomplished senior level software engineer with experience developing **enterprise level** applications in a variety of environments. Successfully **led small teams** of three or more developers through full life-cycle projects. Continuously **learning new technology stacks**.

## EXPERIENCE

### ADVISORY SOFTWARE ENGINEER

*Syniverse, Tampa Florida / April 2008 – November 2018*

- Applications produced revenue of **20+ million annually**.
- On **Solaris**, developed **high-volume** Mobile Data Roaming and WiFi plugins on frontend Steel-Belted **RADIUS** servers. On **Linux**, developed backend processing applications interfaced to **AMQP** message brokers and **Oracle** databases.
- Implemented code for **POSIX Threads, TCP Sockets/UDP Datagrams**, AMQP, JDBC, OCCI and STL.
- Coded in **C++, Java**, SQL, Python and XML.
- Principal developer of **Common Messaging Framework** (CMF) enabling **code reuse** and **greatly reducing the effort required** to implement new product features. Principal developer of a **WiFi Rules Engine** which **greatly reduced the effort required** to implement new WiFi venues.
- Championed **best practices** that resulted in the adoption of **unit testing** (JUnit/CPPUnit) and **continuous integration** builds (Jenkins).
- Worked with teams to **define requirements and project scope** resulting in **effective implementation and deliveries**.

### PRINCIPLE DEVELOPER

*Nielsen Media Research, Oldsmar, Florida / July 2005 – June 2008*

- Team's **lead developer**. Member of the **Architecture group**.
- On **Linux**, developed backend data processing and formatted output of All Minute Respondent Level Data (AMRLD) for third party processors. Data stored in Red Brick, **Sybase** and **MySQL**.
- Implemented code for JavaBeans, Servlets and JDBC to run on CLI and JBOSS with continuous integration builds.
- Coded in **Java, SQL** and XML.

### SOFTWARE ENGINEER / ARCHITECT

*Skyway Software, Inc., Tampa, FL / November 2001 – October 2004*

- Development work on a enterprise level business process management application builder.
- Architected and coded the **Java** code-generator for runtime process logic and deployment functionality.
- Implemented code for Enterprise JavaBeans, XPP, Servlets, and JDBC on JBOSS and Weblogic providing support for **Oracle, MySQL**, Microsoft SQL Server and DB/2 on the backend.
- Coded in **Java, SQL, Velocity**, HTML, CSS and JavaScript.
- Organized teams and facilitated improvements to our development process.
- Worked with business analyst, product management and marketing to define business rules, **requirements and project scope** resulting in **effective implementation and deliveries**.