

**IT Professional** with expertise in application development, systems support, and technical problem solving. Adaptable developer with varied background including trading environments and troubleshooter with experience resolving issues to users' satisfaction. Experience working at client sites. Strong, diverse development and bug-fixing skills.

## TECHNICAL SUMMARY

<b>Programming Languages</b>	C/C++, Java, J2EE, C#, SQL and Sybase stored procedures, tcl, Swift
<b>Scripting</b>	Korn, Bash & C Shell, Perl, PHP, DCL, JavaScript, HTML, CSS, Rexx,
<b>Operating Systems</b>	Solaris 10, Linux, Dec & HP Unix, VMS, Windows, IOS
<b>Databases</b>	Sybase, Oracle, SQL Server, RMS, FOCUS DBMS, Firebase
<b>Tools</b>	Xcode, Netbeans, Perforce, Eclipse, emacs, debuggers, Visual Studio, FIX Protocol, JSON

## EXPERIENCE

### Technical Professional Development, New York, NY

October 2015 – present

#### Current Coursework

**George Washington University Full Stack Web Development program** (current student, expected completion April 30, 2018)

*Developed an iOS app with Swift and Xcode. Called **PicDMC in the iOS app store for iPhone and Ipad**, it summarizes a picture's meta data on the image and maps its address.*

*Developed a specialized calculator with HTML, Javascript, CSS, & PHP for [lactationstuff.com](http://lactationstuff.com), early version aimed at mobile devices.*

Above projects at <https://www.github.com/AlCurry>, much more to come there.

#### Volunteer

Computer and technology tutor at 2 neighborhood Senior Centers

Teaching assistant for Introduction to C++ at CUNY (City University of New York)

#### Recent Coursework

- **IOS App Development – Noble Desktop (Fall 2017)**
- Intermediate German B1.1 – Goethe Institute (Fall 2017)
- Java II: J2EE, JSP, EJB and Web Services - Baruch College - winter 2017
- Introductory and Intermediate C++, HTML5 & CSS3, Python Programming - CUNY - 2016
- Fullstack Academy - JavaScript Jumpstart / Web Dev Level 3, Javascript & JQuery – Noble Desktop - 2016 & 2017

#### Safari Books Online & Udemy - Online video tutorial courses, including coding, mostly with Eclipse IDE

- Intermediate Python, Python Programming Language
- Building Web Services with Java, Learning Java EE 7, Java Fundamentals I, II, III, and IV
- C++ Without Fear, Advanced C++ Programming, Learn Advanced C++ Programming,
- Java Multi-threading, JSF - Java Server Faces, Spring and Hibernate, JSP and Servlets
- JavaScript and jQuery Basics, JavaScript : Understand the Weird Parts
- Linux Command Line Review, Bash Scripting Fundamentals
- Oracle SQL Developer

Java, C++, Python, and JavaScript coding exercises on Hackerrank, numerous technical videos on youtube and other platforms.

### Systems Specialist, FIDESSA CORPORATION, New York, NY

March 2010 – July 2015

Integral part of teams customizing, upgrading and installing Fidessa's trading systems for major banks such as Bank of America / Merrill Lynch and Santander.

- **Coded** new features, enhancements and bug fixes, in Java, bash, tcl, XML, and proprietary languages. Mostly server side (Solaris and Linux), but also Windows front end development was done.
- **Database** wrote and updated Sybase SQL stored procedures and database schemas, automated loading of client static data, implemented processes to synchronize Sybase and Fidessa's in-memory real time database.
- **Wrote requirements and system documentation** of enhancements and fixes for clients, QA, UAT, and Operations.
- **Source code control and Change Management** Integrated source code control changes and documented release procedures needed to get new code and changes in to production.
- **Communicated** In writing and verbally with clients and team mates to resolve technical issues, addressed 2<sup>nd</sup> and 3<sup>rd</sup> level production support problems.

**Sr. Software Developer, NYSE/American Stock Exchange/SIAC, NY, NY**

December 1999 – April 2009

Developer for AOF (Amex Order File), a large-scale order processing system providing daily management of Equities, Options, ETFs and Nasdaq Trading. Written in C with a Sybase database, the system consisted of 110 processes running on DEC Alpha 4100s and a VAX 7860, handling up to 200 messages/second.

- Improved system capacity by implementing configurable polling intervals to significantly improve speed of major processes, including Execution manager, Admin, AOF order process, and message managers.
- Subject matter expert for EXTRA, a database front-end application providing service desk and operations staff with order review, execution, and correction facilities, access to database-stored system parameters, and security and firm specific master file data.
- Worked with Eclipse SDE and CVS to support Java gateway applications running on Linux.
- Fixed numerous bugs in this legacy system.
- Primary developer for other C/GUI applications: system status screens, operations menus, and database utilities -- 25 executables, 50+ screens.
- Developed the Trader Profile facility for both options and equities, which streamlined the auto-execution login process, allowing multiple symbols to be transacted with one key stroke.
- Estimated fixes and enhancements, documented releases and test plans, worked with QA as needed, assisted with weekend testing, and provided Tier 2 and 3 production support.
- Transitioned successfully through various corporate changes, from SIAC (Securities Industry Automation Corporation), to the American Stock Exchange, and then to NYSE/Euronext.

**PROLIFICS, New York, NY  
Software Consultant**

October 1998 – December 1999

- Automated code changes for software upgrades using Ksh, sed, awk scripts, fine-tuning the results.
- Customized lengthy makefiles for C on various Unix flavors, compiling updated code with new libraries.
- Associated file management, manual and Y2K changes.
- Database work included Sybase and Oracle interfacing with C, both stored procedures and embedded SQL.
- Clients included Associated Press, AT&T, Lazard Freres, and the American Stock Exchange.

**THOMSON COMPUMARK, Quincy, MA  
Senior Software Engineer**

January 1992 – October 1998

- Developed software for a client-server based system generating Trademark Research reports.
- System written in C and Sybase and C-shell on Dec Unix, including make utilities.
- Performed system administration and coding for Compu-Mark Online, an online trademark research system.

**EDUCATION**University of New Hampshire, Durham, NH **Bachelor of Science in Computer Science**

Pace University Red Hat Linux Systems Administration 2010

NYU School of Professional Studies 8 classes: intro through advanced Java and C#/ .NET, intro and intermediate C++, Bash and Perl shell scripting. 2004 - 2009