

Michael Anderson

4747 Research Forest Dr, PMB#282,
The Woodlands, TX 77381

 [LINKEDIN](#)  [GITHUB](#)  michael@cloud3000.com  [\(832\) 515-3868](tel:(832)515-3868)

PROFILE

Professional, multi-platform, multi-lingual **Senior Software Developer** with extensive experience in Business Data Processing, Software Development, Hardware, and Network infrastructure.

- In the IT industry since 1983.
- Legacy Migration to modern platforms.
- Complete IT Support.
- Web application design and development.

SKILLS

Operating Systems Admin: MPE/iX , Solaris, HPUX, Linux, Windows, and DOS

Languages: Fortran/66, COBOL/85, ANSI C and C++, C/iX, Tcl/Tk, GNU-Cobol, PHP, Python, Java, HTML, CSS, Javascript, SQL, Sass, Node.js, Go (Golang), C#, .Net, Speedware 4G/L, Cognos Quiz, Quick, and QTP 4G/L.

Frameworks: Bootstrap, Angular, React, Express, JQuery, GOLANG gohtml templates, Joomla, Wordpress,

Virtualisation: VirtualBox, Docker, UNIX Timesharing System.

Databases: HPUX Eloquence DBMS, SQL Sever, MySql, MariaDB, SqlLite, ReactDB, MongoDB, TurboImage, JDBC, ODBC, Database Admin, and custom SQL scripts.

Programming: Business Apps, Systems, IPC Socket programming, Parallel, Concurrent, and Event Driven Programming.

CLI Scripting: Powershell, Bash, Ksh, Awk, and MPE-CI Scripting.

Network Protocols: Tcp/Ip, Http, FTP, SFTP, SSH, Net Bios, Telnet, Inetd, WebSockets, SMTP, Imap.

PROFESSIONAL EXPERIENCE

(Owner Operator) Complete IT Infrastructure Support.

J3K Solutions Feb 2007 – Present, The Woodlands, Texas

IT Management, Custom Software Development, and HP3000 Migration.

Hardware Installation; Workstations, Servers, Network hardware, and network cabling services.
Support PBX Telephone systems, and video surveillance systems.

Mainframe migrations to Windows software, and complete installation packages.

Migration strategies to move old COBOL applications to Windows and Unix.
Converted old databases with archaic data types to modern to SQL data types.
User Interface conversion “*View/3000 & Formspec*” to Windows GUI and Web.

Converted an accounting G/L system from Fortran/66 to HP-COBOL/85,
Developed functions to convert HP-Real data to IEEE-Real and to Packed-Decimal numeric formats.

Linux ClearOS Re-seller to fulfill the idea of Complete IT Support. Network design, sub netting,
Intrusion Detection & Prevention, Firewall configuration, Windows File sharing (SAMBA).

Web Development and Experimentation – research & development of Rapid Application Development
as a Cloud service.

Developed EDI cloud service (using Golang) to interface with GXS (OpenText), and the HP3000.

Programmer/Analyst

Spring ISD Jan 1999 – Nov 2007 (8 yrs 11 mos) Houston, Texas

HP3000 System Management and application programming, hardware maintenance, backups and
disaster recovery.

Providing timely responses to Programming requests for statistical reports, data extracts, and historical
Student Transcripts.

The design and coding of software pertaining to Student Accounting records and Public Education
Information Management System (PEIMS) Reporting.
HP3000 Student Accounting System migration to Zangle on Windows.

The acquisition of Hardware and Infrastructure to support 1700 concurrent users.

July 2003 interview with 3000 News Wire.

Part 1: <http://www.3000newswire.com/subscribers/QAAnderson1-03Jul.html>

Part 2: <http://www.3000newswire.com/subscribers/QAAnderson2-03Jul.html>

Programmer/Analyst

Compaq Computer Corporation Aug 1997 – Dec 1998 (1 yr 5 mos) Houston, Texas

Programming in the ASK MANMAN manufacturing environment,

OMAR (Order Management Accounts Receivable)
Accounting reports, and utilities.

Export Licensing System.

IRS Audit Reporting.

A project I inherited originally written by another contractor, the main exact ran for more than 24 hours to create the output files to be burned to CD.

Sr Systems Programmer

TIW Corporation May 1990 – Aug 1997 (7 yrs 4 mos) Location Houston, Texas

Design and coding of application sub-routine libraries pertaining to Security, Network sockets, Inter-process communications, memory management, and process management.

Enabling application programmers to create multi-process sessions and share data between the various processes within a session, to provide data as a network service and receive data from other remote network services. REST'ful Api's, before the term REST existed.

Created sub-routine functions to start/stop, activate/suspend, and manger application processes.
Created sub-routine functions to allocate, and manage memory segments to be shared between applications processes.

Created a User/ROLE based application security system, assigning capabilities to systems and user/roles, and devices. Where capabilities could be used specific user/roles, and used only from specific devices (IP ADDRESS).

Created sub-routine functions that the application programmer could use to require various capabilities to run different segments of code.

Created a “system process monitor” to monitor background jobs, and scheduled jobs. To initiate a interactive voice phone call to a list of on-call staff members.

When the staff member answers, play a per-recorded message related to the specific process failure, and wait for a multiple-choice touch-tone response.

If the staff member does not answer, dial the next number in the list.

Keep calling until we get a positive response.

Worked with a team of programmers to create a inetd look-a-like on MPE/V 16 bit OS, IPC Sockets.

Programmer/Analyst

TIW Corporation May 1989 – May 1990 (1 yr 1 mo) Location Houston, Texas Area

Design and Coding of applications, pertaining to Purchasing, Sales, Engineering, Accounting, Payroll, Manufacturing, and Inventory.

Design and code a Vehicle Fleet management system, with interactive screens and reports.

Design and code a Field Service Report system, with interactive screens and reports.

Design and code a Traceability Log system, for Quality Control, with interactive screens and reports.

Design and code a Engineering Data system, with interactive screens and reports.

Included a nightly batch process to collect data from many other systems.

Designed and code a Application Request Forms system, to tract application request for engineering drawings, Various Screens and reports, and TCP/IP socket communications with engineering Solaris Systems.

Developed a Banking interface addon to the Accounts Payable system to support Positive Pay Banking by transmitting check records to the bank when checks are printed. Benefiting the company where the bank will not pay checks until the check record is received, additionally this system gives the company a real-time check reconciliation process.

Jr Programmer/Analyst

Texas Iron Works May 1988 – May 1989 (1 yr 1 mo) Location Houston, Texas

Began in Operations, but quickly moved into programming, Learned from a small team of veteran programmers, each with varying styles related to software development. Focus on HP3000 COBOL, Fortran and Business data processing concepts. Minor maintenance on User Interface screen, and read-only COBOL programs.

Computer Operator

Compaq Computer Corporation Nov 1987 – Apr 1988 (6 mo) Location Houston, Texas

HP3000 Operations, Monitoring batch processing, printers, and fulfilling operations service requests for data stores/restores. Responsible for 21 HP3000's, tape libraries, including daily, weekly, and monthly data archives.

Computer Operator

MICOM SYSTEMS, Jan 1983 – Oct 1987 (4 yrs 10 mos) Location Simi Valley, California

Started at MICOM working in the material services department. Learned to write reports using a 4GL programming language know as QUIZ 4G/L. These reports helped the Material services department tremendously, and sparked my interest in learning computer programming. After a couple of years I moved into MIS (IT) operations, my first IT job and more computer classes at Hewlett Packard.

Volunteer Experience

Greater Houston Regional Users Group, Sep 2002 – Jan 2006 Location Houston, Texas

Management and Recruitment of Public Speakers to conduct regional conferences related to Hewlett Packard consultants, hardware and software vendors. To present the latest technologies and future directions to benefit Hewlett Packard users responsible for IT decisions.

EDUCATION

1985 Control Data Institute – Data Processing Concepts using Fortran

1986 Hewlett Packard – HP3000 System Administration

1986 Hewlett Packard – HP3000 TurboImage/SQL Database Administration

1988 Hewlett Packard – HP3000 MPE/V Performance and Tuning metrics

RECENT ONLINE COURSE

Course Name	Instructor	Lectures	Hours
Programming Foundations: HTML5 + CSS3	Andrew Eddy Graphic Designer	58	5.5
Learn and Understand AngularJS	Anthony Alicea Software Developer	55	7
JavaScript: Understanding the Weird Parts	Anthony Alicea Software Developer	85	11.5
Learn and Understand NodeJS	Anthony Alicea Software Developer	98	13
Mongoose: MongoDB for Node.js	Azat Mardan	30	3
Learn Angular JS for Beginners – Lite	EDUmobile Academy	7	0.5
Database Design using MongoDB from Scratch	Eduonix Learning Solutions	22	4.5
Learning MongoDB	Infinite Skills	72	7.5
Learning Bootstrap 3	Infinite Skills	50	3
Realtime Apps React Js, Golang & RethinkDB	James Moore Software Developer	48	3
Linux Alternatives to Windows Applications	Jason Cannon Professional system administrator	98	1
Linux Administration	Jason Cannon Professional system administrator	55	9.5
Learning Joomla! 3 Extension Development	Packt Publishing Tech Knowledge in Motion	32	1.5
IP Addressing and Subnetting	Sikandar Shaik CCIE x2 (RS/SP)	18	3.5
Get Started with Git and GitHub Right Now	Stephanie Losi at 219 Labs, Inc.	10	0.5
Next-Level Git and GitHub - Get Productive	Stephanie Losi at 219 Labs, Inc.	26	2
Google's Go (golang) Programming Language	Todd McLeod, Cal State	169	21
An HTML Tutorial and CSS Tutorial	Todd McLeod, Cal State	330	32.5
Parallelism and Concurrency using Python.	MIT OpenCourseWare	18	11
Web Development w/ Google's Go (golang)	Todd McLeod, Cal State	171	19
Total Lectures & Hours		1452	160