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# THOMAS HOWARD BROWN (Tom Brown)

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## SKILLS

Unisys (Burroughs) MCP systems B6800, B6900, A9, A11, A15, ClearPath LX Series, ClearPath NX Series (over 30 years experience)

Unisys DMSII Database Administration, Design, Backup, and Recovery

Unisys-trained and broad experience in COBOL, ALGOL, DMSII, WFL, and SYSTEM ADMINISTRATION (MCP)

MICROSOFT OPERATING SYSTEMS AND SOFTWARE (MS-DOS thru WINDOWS 10) - CompTIA A+ Certified Technician (over 20 years experience)

TRAINED AND EXPERIENCED IN WRITTEN AND ORAL COMMUNICATIONS and DOCUMENTATION

LINUX (RedHat/CENTOS) system administration and DNS (BIND) administration

UNIX (Solaris, SCO, HP-UX) system administration

INTEGRATED SYSTEMS analysis, design, and support

LANGUAGES (From most to least proficient) - COBOL, WFL, xxALGOL, \*NIX shell, DOS shell, C, Perl, PHP, SQL

## EXPERIENCE

### **First Computer Services** – *Owner*

1998 – PRESENT

- Consulting, training, and computer repair services
- Internet services for individuals and small business
- Web hosting, design, and technical support

### **Forsyth County (NC) Government** – *Systems and Networking Analyst*

1998 – 2011

- Systems administration for large systems (MCP and HP-UX)
- Upgraded County DNS servers (BIND)
- Supported tax payment processing equipment and systems integration
- Supported IT needs for various County Departments

## **Aon Corporation** – *Assistant Vice President*

1990 – 1998

- Joined Booke & Company as part of a technical “swat team” addressing special projects and system-level issues for all application teams. The “swat team” was led by the Director of MIS, the author of a custom ALGOL-based “language” used by pension systems analysts; and included the author of BOOKEMCS, a custom Message Control System which included many features of COMS/MARC before those products were released.
- Using Borland Turbo C, wrote a customized loan amortization application used on the PC platform by the Defined Contribution team
- Systems analysis, programming, project team member supporting Defined Contribution retirement systems recordkeeping and transactions for Unisys and many other corporations
- Wrote main interactive transaction processor for Daily Valuation, a feature of Defined Contribution recordkeeping incorporating daily fund trades, portfolio valuation, and interactive voice response
- Senior DMSII Database administration for multiple teams
- Assisted with continuity and innovation through the original organization (Booke & Company), the merged organization (Godwins Booke & Dickenson), and the final acquisition by AON Corporation.

## **Pannill Knitting Company** – *Database Administrator, Security Administrator*

1980 – 1990

- Systems analysis, programming, DMSII database administration on Unisys (Burroughs) large systems
- Under the guidance of the Director, wrote interactive Cash Application System for Accounts Receivable
- As lead programmer/analyst, helped design, code, and implement real-time, interactive manufacturing and inventory control system, verified annually by outside audit
- As Database Administrator and key transition team member, facilitated integration of systems with Sara Lee Knit Products after their acquisition of Pannill.

## **Lacy Corporation** – *Training Director, Personnel Manager*

1978 – 1980

- Working with senior management and Kurt Salmon Associates, designed, implemented, and directed a comprehensive scientific training program for newly-hired sewing-machine operators
- As Personnel Manager, used networking and interviewing skills to select, place, train, and retain manufacturing job candidates
- As Personnel Manager, reduced annual employee turnover from over 400% to under 40%
- Used self-taught computer programming skills to facilitate the integration of systems with Pannill Knitting Company after their acquisition of Lacy Corporation.

## EDUCATION

### **Hope College** – *B.A. Liberal Arts*

1967 – 1971, HOLLAND, MI

Major in Classics, Minor in Math

Graduated 6th in a class of 376

### **University of Colorado** – *M.A. Latin*

1971 – 1975, BOULDER, CO

Left Ph.D. program for teaching, 1975

### **Extensive Vendor-Provided Training**

1980 – 2000

- ALGOL
- WFL / CANDE
- DMSII
- MCP
- COMS / MARC
- Microsoft Windows
- SCO Unix Administration
- HP-UX Administration
- TCP/IP

## PUBLICATIONS

“Exploring DMSII with COBOL,” *Gregory’s A-Series Technical Journal*, August 1988  
(Describing the structure of a database DESCRIPTION file, parsing it using COBOL, identifying standard datasets, and producing a report on the population of each dataset - all in a total elapsed time of less than one minute)