# Clyde Thomas Zuber

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### Technology Summary

Operating Systems:  Windows Server, Windows, Mac OS X, MVS {z/OS}, VM, AIX {Unix}, RedHat/Debian Linux

[Responsibility/Skill: Installation, Service, Support, Configure, Optimize, Convert, Upgrade, and Troubleshoot]

Programming Languages:  Java, C, C#, S/390 Assembler, PL/X, PL/I, Cobol, SQL / Sequel, SAS, JavaScript

Databases:  Database Normalization Theory and Design, MS SQL Server, IBM DB/2 and IMS, JavaDB (Derby), MySQL, database-driven PHP programming and basic data visualization techniques

Environments, Design & IDE Tools:  Android, Apache, Eclipse, Hyper-V, Mobile Computing, Rational Application Developer, WebSphere

Web Development:  HTML, CSS, JavaScript, XHTML, Swing, i18n, AJAX, Servlets, JSP, JSF2 and Enterprise Beans, JDBC, JQuery, JSON, REST Web Service, Spring Framework, Hibernate, AOS/aspect-oriented, JSTL, JavaMail, Maven

### Experience

**Elon University – Elon, North Carolina –**Web Content Developer **[2/15-5/15]**

**J.F. Flannery Company - Adelanto, California -**ZuberFowler Initiatives Partner **[1/98 - 1/99, 1/00 – 12/11]**

Hardware and software purchasing, technical contact

Navision Axapta (now **MS Dynamics**) support and Windows administration including **DBA**-MS SQL Server (tuning, information security, disaster recovery planning, etc.)

Linux firewall data security, exim4 email server and Apache2 web site administration and maintenance

[**Bronson Methodist Hospital**](http://www.bronsonhealth.com/) **- Kalamazoo, Michigan -** Maxim Group Consultant **[2/99 - 12/99]**

**Information Technology of McKessonHBOC**

Provided primary MVS OS/390 systems support during HBOC Medipac to STAR conversion

[**IBM Corporation**](http://www.ibm.com/) **- Research Triangle Park, North Carolina -** Software Engineer **[11/89 - 12/97]**

**NetWare for SAA**

Completed release development of TN3270 and TN5250 server components, maintaining customer problem resolution while meeting aggressive schedules

**TCP/IP**

Component ownership of Domain Name Server (DNS) and X Windows MVS client, serving as the coordinator and customer support reference

Developed and maintained both MVS and VM TCP/IP products ensuring a coherent common code base

Ported OSF/Motif to MVS/Open Edition environment

Wrote ESTAE routine providing operating system SVC dump capability

Operated as technical liaison between T. J. Watson Research Center and local managers

**Netview Performance Monitor** [**(NPM)**](http://www-2000.ibm.com/software/tivoli/products/netview-performance/)

Conceived and implemented the change in NPM from static initialization time configuration to dynamic exec run time configuration command processing

Also developed dynamic display for new network protocols

Expanded and wrote module to simulate an NCP for offline testing of NPM, greatly reducing the development team members' needs for actual NCP hardware, reducing costs and speeding up development of releases

[**FMC Corporation**](http://www.fmc.com/) **- Dallas, Texas -** Lead Systems Programmer **[1/83 - 10/89]**

**VM Time Sharing Systems**

Headed implementation of a major generational shift, sustaining minimal customer impact

Project leadership removed severe architectural constraints in an area that represented high dollar volume

**MVS Operating Systems Support**

Implemented a major MVS architectural conversion, resulting in the project receiving the highest possible rating for no adverse effects on customers

Provided the technical research for data center's strategic direction in dealing with virtual storage constraints

Project research accepted with acclaim by upper management

Logical, then physical move of Indianapolis data center to Dallas with no interruption of service to customers

Combined services of the two locations providing customers with a single logical system image and greater simplicity

Continually created software utilities of original concept and design which enabled completion of tasks that were otherwise impossible or more time consuming

Planned and performed successful disaster recovery testing, proving hot site resumption with minimal customer and company impact

Implemented Windows PC based, host connected, office automation creating increased productivity

[**General Dynamics Corporation**](http://www.generaldynamics.com/) **- Fort Worth, Texas -** Software Engineer **[1/80 - 12/82]**

**MVS Technical Services**

Performed primary DASD problem analysis and system catalog creation servicing these and other critical system services and components

Maintained smooth data center operations with minimum downtime in spite of data center’s recurrent hardware and software reliability problems

Provided telephone support for customers and application programmers

Headed program product installation and support in a manner such that software problems were prevented

Recommended product purchases directly to data center director

**Material and Manufacturing Support**

Programmed IMS batch and on-line applications to maintain material systems computer parts inventory, ordering, and reporting for [F-16 manufacturing operations](http://en.wikipedia.org/wiki/F-16_Fighting_Falcon) resulting in uninterrupted production and delivery

### Education

Elon University — Elon, NC • Bachelor of Science, Computer Science 5/14 *summa cum laude*

Honors:  Phi Beta Kappa (), Phi Kappa Phi (), GPA 3.98, 4.0 within CS major

Course Highlights:  Enterprise Application Development, Security, Java and C# Programming, Project Management, Database Programming, Web Design, and Computer Architecture

Purpose:  Demonstrate capability with all of the current standards of professional skill base and methods:  Object Oriented Design Patterns, Cloud computing, Mobile (Android) computing, Game programming, Artificial Intelligence, and High Performance Computing