

Joseph M. Supple
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Skills

Electrical engineering, systems analysis, real-time programming, scientific programming, systems administration, electronic security engineering, research, teaching, digital signal processing, troubleshooting real-time systems. Experience with many computer languages, operating systems and computer architecture.

Education

Duke University

Master of Science in Engineering. May 1999.
Department of Electrical and Computer Engineering.
Researched computer network modeling using statistical methods and wavelets.
Specialization in Digital Signal Processing, statistical modeling and analysis & wavelets.

University of Miami

Master of Science in Engineering.
Department of Electrical and Computer Engineering.
Course specialization in Digital Signal Processing, ASIC and reliable computer design.

University of Waterloo

Honors Bachelor of Mathematics in Computer Science.

Experience

OAo Technologies, Durham, North Carolina

January 2003 - Current

IT Analyst. Environmental Protection Agency support contract. Unix system administration of Digital Unix/Tru64 Alpha systems. Applied system patches and verified security compliance. Modified C-Shell and PERL scripts. Monitored email systems - both internet gateway and internal Lotus Notes. Configure and monitor Windows NT and Windows 2000 servers. System administration and top-level support to troubleshoot problems with Lotus Notes, BlackBerry and email. One of only thirteen national managers of the domino directory for more than 25,000+ mail accounts.

Lockheed-Martin, Durham, North Carolina

November 1996 - November 2002

Senior Network Analyst/Tech Lead. Environmental Protection Agency support contract. Managed and monitored Wide Area & Local Area networks. Analyze & report on network behavior using probes and software tools that utilize SNMP (HP OpenView, Network Health). Maintained world wide web pages (WWW). Unix system administration of HP-UX systems and DEC Alpha systems. Upgraded operating systems on DEC Alpha from OSF 3.2C & 3.2G to OSF 4.0F / Digital Unix Tru64 and applied system patches. Upgraded systems for Y2K compliance. Modified C-Shell and PERL scripts. Configure and monitor Windows NT and Windows 2000 servers. Monitored national email systems. Technical consultant on successful BlackBerry project. System administration/support for Lotus Notes.

Dixie-Narco, Williston, South Carolina

June 1996 - August 1996

Software Analyst. Contract programming job for Vending Machines manufacturer: Programmed, engineered & analyzed software. Embedded C programming for vending machine using Intel 8031 and Motorola 68HC11 processors used to control peripherals for accepting cash & cards, calculate change, dispense product, and control refrigeration & lighting. Trouble-shot timing and protocol problems using HP protocol and HP logic analyzers..

MCNC, Durham, North Carolina

January 1996 - May 1996

Research Assistant. ATM network test laboratory. System administration of Solaris and Sun OS workstation systems. Set-up and installed network boards. Maintained World Wide Web pages, security & access techniques.

Duke University, Durham, North Carolina

September 1994 - December 1995

Teaching Assistant/Research Assistant. Instructed electrical engineering and robotics laboratories. Conducted equipment training sessions and evaluated students' written work.

EG&G Florida Inc., Kennedy Space Center, Florida

October 1988 - September 1994

Senior Engineer.

Designed, supported, and maintained systems for data acquisition, embedded control & electronic security systems. Performed independent engineering design and development. Conducted evaluations and special studies for implementing new engineering concepts, methods & techniques. Prepared engineering documentation. Reviewed and assessed work packages for special engineering problems. Conducted continuous evaluations of assigned systems.

GE Services Company, Cape Canaveral AFS, Florida.

June 1982 - October 1988

Software Analyst. Performed duties on board the U.S.N.S. Redstone missile-tracking ship. Analyzed missile-launch data. Resolved hardware and software problems. Acted as liaison to technical personnel in troubleshooting. Designed off-line data reduction programs. Installed and monitored new input/output devices. Maintained and updated real-time assembly language programs on the Univac AN/UYK-20 for displaying mission critical range safety data & satellite communications. Redesigned Fortran program for the Control Data MP-60 for correlating data after missions.

Computer & Engineering Expertise

Languages & Software

C, C#, Fortran, Matlab, S-Plus, SAS, HTML, Perl, Pascal, Algol, COBOL, SNOBOL, BASIC, & assembly languages. LabVIEW, Finesse (ASIC High-level Design Language), ABEL (FPGA state machine HDL), YACC (Compiler compiler), Lex (Lexigraphical analyzer), HP OpenView, Concord Network Health, Lotus Notes, RIM BlackBerry Enterprise Server for Lotus Notes, Symantec Enterprise Security Manager.

Computers, Operating Systems & Other Hardware

PC compatible - DOS/WIN95/WIN98/WIN NT/WIN 2000/WIN XP; Linux; DEC/Compaq/HP Servers - Trunix 64/OSF 4.0; HP Workstations - HP-UX; Sun Workstations - Solaris and Sun-OS UNIX; Gespac - OS-9; Mizar- OS-9; Apollo Workstation - Mentor Graphics; Univac AN/UYK-20 - System Level 2; Control Data Corporation MP-60 - MPX; Univac 90/80; DEC VAX 11/780 - UNIX; DEC PDP 11/45 - UNIX; Honeywell 66/60 - TSS; IBM 360/75 - OS/MVT; Macintosh; Amiga; embedded computers (Motorola 68HC11 & Intel 8031). HP Protocol Analyzer, HP Logic Analyzer.

Security Clearance

United States Department of Defense Secret - DISCO (through 1994).
Current Certification of Investigation by OPM - MBI Level.