

SCOTT BROWN

Mr_Scott_Brown@yahoo.com

COMPUTER EXPERIENCE

Languages

- C, C++, bash/ksh/sh, perl, SQL, Python, VB, XML, HTML, Pascal, Java, Groovy, APL, LISP, LPC, Assembler (IBM-3090, pdp-11, 68000), BASIC, COBOL

Unixes

- Linux (CentOS, busybox, Red Hat, Ubuntu, Raspbian, Mandrake, MK Linux), Solaris, SunOS, AIX, SCO OpenServer & Xenix, Interactive, Pyramid OSx, Irix, OpenStep, Apple OSX, A/UX, Munix, BSD, Minix

Hardware

- Intel/AMD PCs, Apple Macintosh (680x0, PowerPC, Intel), Cyclops64 (Blue Gene/C), SGI Personal Iris and Indy, Sun, Pyramid MIServer, Digital VAXes & pdp-11s, NeXT cube, IBM-3090, Cadmus Cambridge Digital – 94, Prime 6450, Neemar Datamax 20, Sperry AN/UYK-20 and 44, Texas Instruments Professional

Databases

- Oracle, MySQL, Sybase, File Maker, Unify, Access, DB2, Progress, Data Flex, dBase III plus

EMPLOYMENT HISTORY

NASA GODDARD SPACE FLIGHT CENTER, Greenbelt, MD 2016- present

Senior Software Systems Engineer (contractor)

Update and maintain mission critical satellite communications systems using C, bash, and abstract syntax notation (ASN.1) under CentOS.

PREMIER MUTUAL FUND COMPANY, Malvern, PA 2013- 2015

Contract Developer (contractor)

Estimates, enhancements and bug fixes to critical and complex software. Programmed in ksh (Solaris and MKS Toolkit), C, stored procedures, VB, perl, Java, Groovy. Deployed software via BladeLogic. Job control/monitoring with Control-M. Developed utilities to facilitate testing and administrating the system.

COMCAST CONVERGED PRODUCTS, Philadelphia, PA 2011-2012

Systems Analyst (contractor)

Deployed, monitored, troubleshoot and restored (private and AWS) cloud services supporting Comcast's XI platform. Used New Relic, Splunk and bash for monitoring and root cause analysis of issues. Troubleshoot STBs via shell, perl and SNMP. Responsible for ensuring proper flipping of customers to new production stacks. Implemented XML rules to keep particular configurations of STBs from connecting to production.

ET INTERNATIONAL, Newark, DE 2009-2011

Test Engineer

Wrote install/build scripts for our software product which manages a 1.1 million+ core supercomputer. Wrote multi-threaded programs in C (with shm) in order to test performance and demonstrate requirements were met. Automated performance, load, stress, functionality and fault insertion testing in bash. Scripted analysis of TCP dumps to show every I/O node communicates with every front-end node and general troubleshooting. Verified bug fixes. Developed, implemented and executed software test plans. Used the Lustre file system.

SCOTT BROWN

SUNGARD / GL TRADE / FNX LIMITED, Conshohocken, PA

2003-2008

Software Engineer & Senior Consultant

Developed new applications using C, Sybase and the Neuron Data GUI under Solaris. Performed bug fixes on libraries and suite of over 1300 financial applications. Converted apps with Sybase specific calls to be ODBC compliant. Implemented indexing of applications, libraries and header files for use in vi. Csh, ksh & perl scripting while providing on-site production support at JP Morgan Chase. Created SQL scripts and stored procedures while at JPMC. Used NDM (connect direct), ftp, sftp and email to ensure timely delivery of regulatory feeds, JPMC data and reports. Created and tested a Disaster Recovery plan. Forecasted need for additional SAN space and database expansion. Converted compilation from Sun only, to Sun or gcc depending on baseline.

THE PEP BOYS – MANNY, MOE & JACK, Philadelphia, PA

1998-2003

Programmer/Analyst

Used C, ksh and SQL to fix/extend the application and its data flows to other Pep Boys systems. Performed system management of SCO and Interactive unixes. Used Unify and Sybase in SQL and their C interfaces. Participated in store systems VB & DB2 development project. Was responsible for troubleshooting the application, system, network and hardware.

APPLE COMPUTER, INC., Philadelphia, PA

1992-1998

Equipment Coordinator

Repaired, maintained and upgraded Apple CPUs, monitors, printers and peripherals. Was responsible for setup, troubleshooting and maintenance of the network (LAN and frame relay WAN). Set up connections and equipment for ISDN video conferencing. Used Apple Internet router, Remote Access and the AIX and A/UX Unix operating systems. Ran an AppleTalk server under VMS on DEC MicroVAX computers. Represented Apple at shows/expos. Configured and tested systems prior to shows/events. Assisted customers with technical questions. Scheduled pool equipment using Excel and the FileMaker database to avoid conflicts and maximize exposure. Maintained database of equipment status, location and scheduling.

PLANNING RESEARCH CORPORATION, Bala Cynwyd, PA

1987-1990

Assistant Programmer Analyst (Co-Op Position)

Performed system administration on the SCO Xenix and Munix operating systems. Wrote C and Progress 4GL code, which interacted with each other. Tested and evaluated the Naval Intelligence Processing System (NIPS) and the Formatted Message Origination System. Used a VAX 11/780 (VAX/VMS) and Sperry AN/UYK 20 and AN/UYK 44 computers. Recommended software enhancements. Developed a test plan for enhanced NIPS. Revised program design and performance specifications, database design documents and NIPS manuals. Designed, coded and tested portions of the NIPS communications processor. Performed maintenance and bug fixes for NIPS. Analyzed enhancement proposals for NIPS.

EDUCATION/TRAINING/OTHER ACTIVITIES

- **Computer Science**, Drexel University, Philadelphia, PA
- Python for Everybody Specialization - 5 classes, Coursera - University of Michigan (2016)
- Cloud Computing - 4 Classes, Coursera - University of Illinois at Urbana-Champaign (2015)
- Featured on NBC News, Fox News and The Social Hour podcast for creative use of a QR code (2011)
- Java Programming, Levels 2 & 3, Penn State University, Malvern, PA (2007)
- 175+ training classes, www.mindleaders.com (2001-2003)
- WAN/LAN/Telecom Training (1995)
- Macintosh System Service Course (1992)
- National Finalist in Apple's Design the Personal Computer of the Year 2000 (1988)