David J. Young
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http://davidjyoung.com/images/PUBLICATIONS.pdf
Mainframe to Multimedia to Mobile

Performance labs (AmPEC) and Performance Center of Excellence setup and administration, analyzing server, storage, network, and GPU performance for enterprise databases, application migration, and capacity planning for the world's largest corporations including Zynga, Verizon, Apple, AT&T, IBM, The Federal Reserve, General Motors, Target Stores, Marks & Spencer, the University of California, Facebook, VISA, Disney, Intuit, American Express, and Bank of America. Representative, repeatable, scalable Big Data, Multimedia & Mobile workloads with sub-second response times, from megabytes to petabytes of data, and thousands of users, for QA, problem recreation, and competitive analysis.

SKILLS:

Performance/QA/Support Engineer – Big Data on z/OS, AWS, Google Cloud, VMWare, LUW, OSX, Jira/Confluence
ML/AI/VR/GPU – TensorFlowOnSpark on HDFS, CUDA, cuDNN, OpenCL, Google VR, Nvidia SMI & Visual Profiler
Big Data Admin – Spark, Kafka, Hadoop, Vertica, Big Query, Couchbase, MongoDB, DB2, Oracle, SQL Server, MySql
Mobile – java, c++ (Android Studio/Windows 8.1) swift 3.0 (Xcode/Instruments 8.3,OSX 10.12, IOS 10.3)
Technical Writer – Office, iWork for iCloud, Acrobat, Framemaker, DITA, XMetaL, JavaHelp, Ant, Visio, Paint Shop Pro
z/OS Sysprog & capacity planner – IPCS, SMPE, SMS, VTAM, JES2, RMF, SAS, MXG, DB2, CICS, IMS, Zeke djygithub
MF Migration – Chef, Apache, Eclipse, Android/Visual Studio/C++, Jprofiler, JAVA, JSPs, IIS, VTUNE, Perl, PHP, NMON
Knowledge Base developer – Confluence, Moodle, PmWiki, Articulate, Camtasia, Flash, Visio, Powerpoint
Webmaster – Confluence, ColdFusion, FrontPage, Dreamweaver, Captivate, Photoshop, Premiere, Pro Tools
Security Administration, Automation – RACF, ACF2, JMeter, Wireshark, Snort, WinIDS, LoadRunner, Django, bash

EXPERIENCE:
PMTS S&A Software Engineer – AMD Radeon Technology Group 2018

Senior Performance Engineer Davidjyoung.com 2016 – 2018
Vmware ESXI versus bare-metal: Avoiding a Spectre Meltdown - http://davidjyoung.com/cmg/esxivbaremetal.pdf
Intel I7/Nvidia vs AMD Ryzen/Radeon: Selected Workloads - http://davidjyoung.com/cmg/amdvintelvnvidia.pdf
Spark/SSD Sizing: Real, VMWare, GCP Dataproc, TensorFlow - http://davidjyoung.com/cmg/hdfssparksizing.pdf
Profiling, Debugging GPU and CPU Performance http://davidjyoung.com/cmg/nvidiagpuperf.pdf

Principal Technical Support Engineer HP Big Data 2011 – 2016
Big Data/MPP Cluster performance, scalability, and QA (AWS/VMWARE/GCP) running Vertica & Hadoop (Hortonworks, Cloudera). Award winning (6) customer and product support (SalesForce), problem recreation and resolution (JIRA), distance learning, lab setup. Performance Center of Excellence, Enterprise Servers, Storage & Networking. Knowledge base maintenance (Confluence, Camtasia, PowerPoint, Acrobat), troubleshooting methodology, online video production (Premiere Elements). Open source research (NMON, JMeter, OpenLDAP, unixODBC, OpenJDK, OpenMP, HPCToolkit).
Vertica Performance Engineering Essentials - http://davidjyoung.com/cmg/vpee.pdf

z/OS Performance Specialist – University of California Office of the President 2010
Executive summary reporting, including analysis of multi-tier, distributed PAYROLL/BENEFITS performance and license costs for UC campuses and their 170,000 employees (SYSPLEX, WEBSPHERE, JAVA, DB2, CICS, DDF, BATCH). SAS/MXG report generation, WLM enhancements, SAS 9.2/MXG 28.01 installation, debug, and maintenance, operations and application development support and documentation, new application sizing. http://davidjyoung.com/cmg/allofit.pdf

Senior Technical Writer – Serena Software 2007 - 2009
2,000 pages of written documentation (Framemaker, MS-Office, Acrobat, DITA, Visio, Photoshop) for ChangeMan ZMF/ZDD, including product installation, configuration, and video how to's using Camtasia and Captivate. z/OS Subject Matter Expert (IMS/CQS, CICS/TS, DB2 V6,7,8,9), QA (Agile development environment), and Data Studio support under z/OS 1.8/1.9. SOAP, USS, HFS research and development. http://davidjyoung.com/cmg/zmfwritingsamples.pdf

Senior Systems Engineer – Platform Solutions Incorporated 2005 - 2007
Compatibility and competitive studies (executive summaries, white papers) on servers (HP Superdome) and storage (ESCON/pci-x) devices. PSI developed a z/OS interpreter on Itanium processors with RHEL. I worked with engineering teams from several vendors (Intel, IBM, BMC, CA, Microsoft, Redhat) getting our software to work with their software. Speed constant calculation, application sizing, APAR (PK30421) submission, and LSPR like workload builds/rollouts for QA (Agile development) and performance evaluation.   ESCON four port pci-x I/O card performance analysis (EMC, IBM, HITACHI SANs) using Perl, NMON, VTUNE.   http://www.luminex.com/about/press/pr070212-Quad.php

Senior Performance Engineer – PeopleSoft 2004 - 2005
Performance study (white paper) to build, QA, and benchmark the DataStage ETL processing for a distributed multi-tier quarter end/year end close using multiple RS6000s, AIX 5.2, DB2 UDB. PeopleSoft boot-camp, setup application environment using PeopleTools 8.46 on Windows/2000 (Weblogic Server 8.1, Tuxedo 8.1, SQL Server), Oracle on Windows NT, Perl, NMON, LoadRunner V8, Unidata http://davidjyoung.com/etl/epmdil2009notes.pdf

Sole Proprietor - David J. Young, Fremont, CA 2000 - 2003
Multimedia WEB/CD/DVD production, Windows 98/2000/NT/ME/XP network (VPN), security, system and application support including firewall, router, modem, multi-vendor ISP (XO, SBC) configuration. Wireless (802.11b/g) network design, implementation, security and support. MAC OS 8.X, 9.X, 10.2 network and application support. Computer lab setup and support, HIPAA compliance. QuickBooks administration. http://davidjyoung.com/soundrec/

Principal Performance Analyst – Amdahl/Fujitsu Corporation, Sunnyvale, CA 1982 - 1990,1997 - 2000
Compatibility studies, marketing collateral development and competitive analysis with Amdahl and Fujitsu engineers on servers (5890, 5990, Millennium), storage (6100, EDAS solid state, coupling facility) and network (4705) devices. Customer and TPC-C workload automation using TPNS, the Parallel Sysplex, IMS/CQS, DB2 Data Sharing and CICSPlex. QA, measurement, and analysis of competitive products, including Crypto/TKE, SAP/DB2 certification, coupling facility through CFLEVEL8. Customer and product support. SMPE, SAS/MXG, STROBE, OMEGAMON. Performance evaluation, QA for Corporate Marketing/Engineering in IMS and DB2 environments at the Amdahl Performance Evaluation Center (AmPEC). Manager, Data Systems Curriculum, Education and Professional Services Division (staff and budget). http://www.davidjyoung.com/cmg/tpcc.pdf

Senior Technical Staff - Oracle Corporation, Redwood City, CA 1996
QA and performance analysis, Parallel Server on MVS using the coupling facility, data base replication from MVS/DB2 databases to UNIX/Oracle databases on a Sun Sparcstation, procedural gateway (APPC) using IMS, & integration of DB2 stored procedures. http://davidjyoung.com/cmg/replicate.pdf

Advisory Software Engineer - Hitachi Data Systems, Santa Clara, CA 1990 -1996
Compatibility studies, marketing collateral development and competitive analysis with Hitachi engineers on servers (Skyline), storage (7600), and remote networking (TSCF) devices. Performance evaluation studies and QA in the IMS, CICSPlex, and DB2 data sharing SYSPLEX environments. Workload automation using TPNS. EMC Symmetrix, HDS 7600. SMPE. SASGRAPH, MXG, DB2PM. http://www.davidjyoung.com/cmg/db2sizep.hds.pdf

Computer Measurement Group 1986 - 1998 (https://www.cmg.org/)
I held many editorial positions with the Computer Measurement Group at local (Northern California CMG) and international levels, including author, speaker, referee, subject area chair, assistant program chair, culminating in program chair (managing editor) for the 1998 conference and proceedings (http://davidjyoung.com/cmg98/). This job required constant, high volumes of writing and editing, not just papers, but calls for papers, member correspondence, media correspondence, all done with a consistent style and tone.

Computer Science Instructor - Ohlone College, Fremont, CA 1998
Taught CS101, Introduction to Computers

Computer Science Instructor - College of San Mateo, San Mateo, CA 1982-1984
I developed and delivered courses in IBM JCL, Operating Systems, and Data Base Design.

Computer Science Instructor – Northern Illinois University, DeKalb, IL 1979-1982
I developed and delivered courses in Computer Architecture, External Data Structures, and DL/I Data Base Design.

EDUCATION:

University of California Dad – 2009, 2014
2014 HP Vertica Big Data Solutions Advanced Administration Certification HP2-N45
2014 HP Vertica Big Data Solutions Certification HP2-N36
2009 IBM Certified DB2 9 Fundamentals (exam 730)
1982 Lifetime Credential California Community Colleges, Computers and Related Technologies
1979 M.S. Computer Science - Northern Illinois University, DeKalb, IL
1977 B.S. Music Education - University of Illinois, Urbana, IL