ROY W. ERICKSON

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ENGINEERING SUPPORT, MAKEMAKEENTERTAINMENT.COM; SMC, CA 2012-PRESENT

- ◆ *Network*: Design, vendor consultation, part-out, review quotes, install, configure, implement, test, certify, document and support networking gear. See mymathmantra.com/IT/Recent_Activity.html

- ○ Current Activity: hybrid ports, ForceTenOS, Arista ExtensibleOS, DellOS, FSCOM, MLAG,VLT, TFTP, SFTP, LLDP, NTP, boot mgmt, RSTP, ARP. MTP12, OSPF, SFP+, DWDM,

- ○ Past Activity: ArubaOS (assisted in the installation of 32 Aruba AP-225 WAPs controlled by a pair of 3400 controllers running through a 3500 switch) , Airwave, RADIUS, OSPF, VRF, VRRP, VXLAN, RIP, 802.1x, stacking, PBR, ACL, CSSHX, NPS, WiMAX

- ○ Exposed to: AAA, SNMP, MACsec, IPv6, BGP, Logic Monitor, SumoLogic, Unimus, PaloAlto, Google Cloud, AristaWiFi, OKTA, OnePASS, Brocade and QLogic SAN, Dell Isilon.

- ◆ *Power*: Design, vendor consultation, part-out, review quotes, install, configure, implement, test, certify, document then support IT power distribution gear (240v, 120v 1-Φ only). Created charts that traced power from the street to the host. Installed webcards into UPSs and PDUs. Installed power monitoring hardware (with an electrician's assistance). See mymathmantra.com/IT/Recent_Activity.html

IT CONSULTANT; VARIOUS 'HOLLYWOOD' SHOPS – 2007-2012

I assisted in designing, costing, purchasing, installing and configuring Hierarchical File Systems based on Oracle's SAM-QFS on Sun hardware. I manage Brocade and QLogic, ForceTen, Dell network switches, Sonicwall Wi-Fi and firewalls which includes site-to-site and home-to-site VPN with RADIUS authentication. I worked with ISP engineers to manage internet access such as an OC-3 internet connection. I assisted in power and HVAC infrastructure management. I established FTP, Apache and Wiki servers on RHEL servers. Implemented an LA/NYC Microsoft AD2008 Forest including an Exchange 2007 mail server. I wrote digital security policies and participated in MPAA audits and I document it all in wiki pages and OmniGraffle diagrams.

SENIOR SYSTEMS ENGINEER, PIXEL MAGIC; TOLUCA LAKE, CA – 1997-2007

I was responsible for designing and implementing networking (Cisco WiFi/Extreme), file servers (SUN, SGI, Ciprico fibre channel arrays), LINUX Servers (sendmail, jabber, LDAP, flexlm, apache, ftp, ipTables firewall with DMZ), End-User Apps (cineon, lightwave, maya, Adobe on windows), Render Farms and ISP connections. I analyzed throughput and designed workflow charts, wrote automation scripts which included 3:2 pull down, slate making, Digital Disk Recorder and Video Tape Deck feeders. I maintained support contracts and worked with contractors. I reviewed overhead, operating budgets and taxable write-offs with the General Manager.

SYSTEMS ENGINEER, KODAK MOTION PICTURE-CINEON; HOLLYWOOD, CA – 1994-1997

I configured, installed, tested and gave instruction on digital effects computers. I performed pre-sales consulting with the Salespeople. I setup systems for, and attended, the annual National Association of Broadcasters conventions in Las Vegas. I worked with the software and hardware developers in Rochester and Australia to develop a better product based on client feedback. I also repaired digital film scanners at client sites, and was trained in KODAK film color science, CCD electronics and CRT film recording.

COMPUTATIONAL SCIENTIST, NORTH AMERICAN ROCKWELL;   EL SEGUNDO – 1989-1994

I worked with the Rockwell Science Center to further the application of Computational Electro-Magnetic, Navier-Stokes, and Acoustic Codes for use in Conceptual LO Aircraft Design. I worked with the VP of Technology to streamline the design cycle by doing a throughput analysis showing him where to spend his budget. I worked on teams comprised of multiple corporations and universities competing for Federal R&D grants. I was the Acting Manager of my group for three years, May 1992 "Engineer of the Month" and was awarded a "Cray Gigaflop Award" from Cray, Inc. I taught UNIX classes to the engineering masses and did over-time in the IT group. DOD S, TS, SBI clearances.

1989 ABD, Aerospace Engineering, University of Maryland, College Park, MD GPA 3.86
1985 MS, Mathematics (Applied), Rensselaer Polytechnic Institute, Troy, NY   GPA 3.73
1983 BS, Physics and Mathematics, Brigham Young University, Provo, UT   GPA 3.49

References available upon request