
JOHN KLOS

PROFILE

Unix systems administrator seeks new ways to apply skills to make existing processes and practices efficient and prepare for new needs and challenges.

SKILLS

BSD Unix systems administration, NetBSD developer (2001), architect of robust, high availability systems using various Unix family operating systems, strong diagnostic skills, ability to acclimate quickly in new and challenging environments. Focused on reproducibility, reliability and security. Specific list of skills provided upon request.

EXPERIENCE

SYSTEMS ADMINISTRATOR – 1999-2021

Created and maintained hosting company which hosts several hundred domains and users with a focus on the best and most secure environment for developers. Used skills to provide servers and services to various consulting clients. Continue to use hosting resources to provide support to various open source projects.

SYSTEMS ADMINISTRATOR, NEXTVR, INC. – 2016-2018

Designed and implemented network architecture for new facility. Created and maintained company-wide security models, system imaging, centralized account management, storage and developer resources. Worked extensively with developers to facilitate efficient, scalable and reproducible environments (devops). Explored toolchain optimizations along with big-picture throughput analysis of high performance systems. Researched, built and implemented performance critical systems for real time data analysis.

CTO, BIG TIME PICTURE COMPANY LOS ANGELES, CALIFORNIA – 2004-2016

Duties included setup and administration of Avid and Final Cut systems for every kind of movie and television production with heavy focus on offline Avid shared storage setups for feature films and on online Final Cut setups for independent and low-budget feature films. Created many unique services including live streaming of dailies and cuts, real-time h.264 encoding of footage, sharing of assets between Final Cut and Avid systems and novel approaches to circumventing the constraints of Avid systems. Provided consulting for production planning, asset management and hiring. Performed diagnosis, repair and upgrade of older systems and configured and sold new systems. Provided services in the context of Apple Professional Service Provider.

SOLUTIONS ARCHITECT, 318, INC. SANTA MONICA, CALIFORNIA – 2011-2013

Planned, implemented and managed IT solutions for various businesses. Assessed technology and technology related investments, recommended purchases and executed installations, upgrades and migrations with minimal downtime. Reimplemented IT solutions for better efficiency, scalability and availability with a focus on BSD and GNU/Linux. Worked in dynamic environments where strong diagnostic skills and quick thinking were necessary.

POST PRODUCTION SUPERVISOR – 2004-2019

Performed various duties including budgeting, hiring, pre-production planning, on-set asset planning and management, workflow planning, management of editorial facilities and staff, creating of intermediate output for review and screenings, coordination of sound, music, coloring and effects deliveries, finishing, and creation of all deliverables for distributors. Created and used a number of new solutions including on-set direct-to-disk capture system and digital dailies delivery system in 2005 and created distributed RED camera workflow software in 2008. Created high resolution camera synchronization system for use with multiple simultaneous untethered cameras and recording devices. Created automated media processing and delivery system which supported multiple NLE systems on the same project. Worked with various open source projects to improve support for useful codecs and metadata. Created system to do real-time transcoding and streaming for instantaneous review of dailies and cuts. Created ruggedized, redundant storage systems for safe storage of assets in cold, hot, wet and/or high altitude environments.

EDUCATION

UNIVERSITY OF STATE, CITY, STATE – DEGREE, YEAR

State University of New York at Stony Brook – 1994 through 1997, undergraduate studies

State University of New York at Farmingdale – 1990 through 1991, undergraduate studies

Fashion Institute of Technology, New York – 1988 through 1989, part time undergraduate studies