

# Michael Oliver

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## Qualifications

- Ability to engage in full stack conversation and translate seamlessly between high level and deep technical ideas.
- Extensive experience in bidding, negotiating, purchasing, renting, and financing both infrastructure and software at an international corporate level.
- An eye for designing nimble and scalable systems necessary to provide a solid foundation for corporate growth and stability.
- Goal oriented forward thinker with emphasis in interdisciplinary cross-functional team building and product design
- Asked to participate in various case studies, IT conferences, panels, and tradeshowes regarding workflow design, software utilization, and systems design.
- Deep industry connections and relationships with a wide range of software, hardware, and networking entities allowing insight into future trends and early access to groundbreaking technologies.

## Experience

**Halon Entertainment / MatterVR**  
**Chief Technology Officer**

**Los Angeles, CA USA**  
**September 2014 – Current**

- Implemented data aggregation tools and methods to promote a data-driven decision making process allowing insight into actionable solutions and proper allocation of both human and capital resources.
- Budgeted, designed, sourced, negotiated, purchased and implemented infrastructure overhaul and configuration to tier 1 storage architecture, primary networking, and workstations including remote team deployments.
- Continuous development and deployment of an IT resilience strategy utilizing Google Cloud Platform and a geographically separate data center to maintain business continuity in the event of a loss of headquarters.
- Designed, implemented and structured a corporate documentation culture resulting in a drastic improvement in shared institutional knowledge, increased productivity, and faster knowledge transfer during new hire onboarding.
- Implement security and information technology best practices including the integration of cloud based providers for scalable compute and storage, virtualized servers, end to end documentation, and compliance with MPAA security guidelines (both physical and digital) resulting in Disney, Fox, Paramount, and Warner Brothers security audit approval.
- Recruited, hired, and lead a team of developers in the design and buildout of custom tools and a unified pipeline. Our tools utilize Python/PyQt to integrate with a custom pipeline and 3rd party API's to give supervisors a clean user experience which allows them to easily perform repetitive operations and results in significant time savings and a decrease in user error rate.
- Oversee technical pipeline and hardware infrastructure for MATTERvr, a new company formed to develop virtual reality (VR) content. Responsible for integrating various platforms and software (Unreal Engine, Maya, Oculus SDK, Optitrack) into a cohesive solution for end to end VR content creation.

## **Director of Technology, International – Look Effects, Inc**

**December 2005 – May 2014**

- Designed, built, purchased, integrated, and oversaw the worldwide technology and infrastructure requirements for the corporation as it grew from a single office in Los Angeles, CA to a worldwide entity with offices located in Brooklyn NY, Vancouver BC Canada, and Stuttgart Germany.
- Designed the facilities with scalability, interconnectivity, and cost effectiveness in mind in order to maximize ROI and allow the offices to work interchangeably with each other in a unified global production pipeline.
- Responsible for the design, implementation, auditing, and maintenance of corporate infrastructure and security (both physical and digital) including (but not limited to) network design and architecture, storage systems, compute clusters, backup and archive, distributed computing, workstations, and phone systems.
- Initiated the implementation of a production pipeline design for a distributed worldwide workflow including software customization, automation, and proprietary tool design. Subsequently hired and led a team of 4 geographically distributed developers / SysAdmins to create the tools necessary to keep the company competitive, efficient, and on the bleeding edge of new technologies in support of a worldwide workforce that averaged around 120.

## **Principal – Oliver Enterprises**

**September 2007 – Present**

- Provide professional technology consulting to businesses in a variety of industries with a focus on scalability and leveraging cloud providers infrastructure to meet the uneven rendering demands of the Media and Entertainment industry.
- Proven ability to diagnose client's needs, develop a comprehensive solution, and provide detailed written documentation of the project.
- Research, design, and proffer presentations to key decision makers providing solutions to their business problems.

## **Skills**

**Hardware:** Various networking switches (Fortinet, Force10, Cisco, etc..), Isilon storage arrays, custom built storage arrays and file systems (ie. ZFS, XFS, EXT4, object store etc.), Avaya PBX's, display calibration, playback / review systems, LTO tape libraries, high performance / high density compute clusters and render farms, Optitrack motion capture and virtual camera systems

**Virtual/Cloud/Machine Learning:** VMWare, HyperV, CoreOS, Amazon AWS, Google GCP, Docker, Kubernetes, Tensorflow, Git

**Operating Systems:** Various flavors of Unix/Linux/Irix (including Discreet, CentOS, Debian), Apple macOS and OS X, Microsoft Windows 10, Windows Server 2016 ( including Active Directory ), PXE, iOS, Android

**Software:** Familiar with over 280 pieces of creative software/plugins used in the visual effects industry including Unreal Engine 4, Adobe Creative Suite, Autodesk Flame / Flare / Smoke / Maya / 3DSMax, The Foundry packages (Nuke, Mari, Hiero, etc), Shotgun, Tweak RV. Numerous systems administration packages both open source and commercial including nmap, wireshark, openssh, ZenOSS, Zabbix, Cacti, Nagios, Chef, Puppet, Git, Zendesk, Clonezilla, VMWare, XMPP, dokuwiki, RLM/FLEXlm license servers and many more.

**Programming Language Experience:** Python, PyQt, Bash, PowerShell, Php, Html, and various CLI's and API's

## **Education**

### **Loyola Marymount University**

B.S Biology, Minor Business Administration emphasis Finance

## **Extracurricular**

**Adventure:** World travel, Camping, Fishing

**Physical:** Running, Swimming, Surfing, Mountain Biking, Soccer